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1      PROGRAM TOWER4 (INPUT=64/150, OUTPUT=64/150, TAPES=INPUT, TAPE6=OUTPUT)
2      1)
3      THIS PROGRAM CALCULATES THE CHARACTERISTICS OF A LINE OF EQUALLY
4      SPACED BUOYANT DISCHARGES INTO AN ATMOSPHERE WHICH INCLUDES WIND,
5      COMPRESSIBILITY EFFECTS, AND STRATIFICATION. THE METHOD OF SOLUTION
6      INVOLVES 7 ORDINARY DIFFERENTIAL EQUATIONS AND PROFILE MATCHING.
7      THE EQUATIONS ARE: 1. CONSERVATION OF MASS; 2. CONSERVATION OF ENERGY;
8      3. CONSERVATION OF TOTAL MATERIAL (LIQUID AND VAPOR); 4. DENSITY DEFICIT
9      (DERIVED FROM 2,3); 5,6,7. MOMENTUM EQUATIONS IN THE Z (AXIAL), K (VERTICAL),
10     J (HORIZONTAL AND PARALLEL TO AMBIENT CURRENT) DIRECTIONS.
11     CONDENSATION EFFECTS AND RE-EVAPORIZATION HAVE BEEN INCLUDED.
12     MERGING IS ALLOWED TO COMMENCE ANYWHERE WITHIN THE FLOW REGIONS
13     ENCOUNTERED. EQUATION 4 IS USED ONLY IN ALGEBRAIC FORM.
14     VAPOR AND TOTAL LIQUID PROFILES ARE MATCHED TO DETERMINE RADIAL
15     SATURATION EXTENT, AS
16     THE SIX EQUATIONS ARE WRITTEN FOR A CONTROL VOLUME WHICH IS FINITE
17     IN A DIRECTION PERPENDICULAR TO THE JET AND INFINITESIMAL IN THE
18     DIRECTION OF THE JET AXIS.
19     ENTRAINMENT IS BASED ON THE DAVIS MODEL AND INCLUDES FOUR EMPIRICAL
20     CO-EFFICIENTS TO ACCOUNT FOR CENTRAL PLUME WIND VELOCITY, LOCAL
21     DENSITY, PROUDE NUMBER, AMBIENT CROSS CURRENT, AND EFFECT OF
22     CELL SPACING.
23
24     *****
25     INPUT VARIABLES
26     *****
27
28     SETS OF FOUR CARDS FOR EACH RUN
29     ***** CARD ONE *****
30
31     1) RUN FLAG AND I. D. NO. 0 SIGNALS LAST RUN (14)
32     2) PROGRAM INFORMATION ANY ALPHA NUMERIC INFORMATION
33     ***** CARD TWO *****
34
35     1) FR = UO/((RHO2-RHO1)/RHO2GSD)**.5)
36     2) R = V AMBIENT/UO
37     3) GA = -CO/RHO2(DRHO/DQ)
38     4) BE = -TO/RHO2(DRHO/DT)
39     5) T10 = FREE STREAM TEMP AT Z=0 = T INFINITY/TO (USE ABSOLUTE
40        TEMP RATIO)
41     6) C10 = FREE STREAM TOTAL WATER AT Z = 0 = C INFINITY/CO
42     7) T12 = D/(28TO)**.5(DT/DZ)
43     8) C12 = D/(28CO)**.5(DC/DZ)
44     ***** CARD THREE *****
45
46     1) CD = DRAG COEFFICIENT ----- SUGGEST VALUES OF .7 FOR R
47        VALUES OF THE ORDER OF .5; USE 3 FOR R VALUES OF THE
48        ORDER OF .01
49     2) TH1 = WIND DIRECTION (DEGREES) RELATIVE TO THE TOWER LINE.
50        90 IS THE NORMAL TO THE ROW OF DISCHARGE PORTS. A
51        LARGE DEVIATION FROM THIS ANGLE SHOULD NOT BE USED.
52     3) TH2 = DISCHARGE DIRECTION-- 90 FOR COOLING TOWERS -- 0 FOR
53        HORIZONTAL CO-FLOWING DIFFUSERS
54     4) DS/D = INITIAL STEP SIZE. 1 TO 5 IS SUGGESTED.
55     5) SF = FINAL VALUE OF S/D
56     6) SPACE = L/D DISTANCE BETWEEN DISCHARGE PORTS
57     7) GAMMA = POSITIVE ADIABATIC LAPSE RATE (DEG) = DGAMMA/2/TO
58     8) AL = -D/(28RHO2)**.5(DRHO/DP)**.5(DP/DZ) = GSD*(28GAS CONSTANT*TO)
59
60     THE LAST TWO VALUES SHOULD BE SET SMALL WHEN USED IN WATER.
61     ***** CARD FOUR *****
62
63     1) WF = (WFG/CP)*(CO/TO)
64     2) RM = (WFG/(GAS CONST OF WATER *TO))
65     3) ALT = (GSD/(28GAS CONST OF AIR *TO))
66     4) SATU1 = NON DIMENSIONAL SPECIFIC HUMIDITY OF SATURATION
67        OF AMBIENT AT TOWER DISCHARGE LEVEL = QOS1/CO
68     5) PHI = RELATIVE HUMIDITY
69     6) DEL = -CO/RHO2(DRHO/DSIGMA); SIGMA IS LIQUID WATER CONCENTRATION
70     7) ZFENH = MERGING INDICATOR FOR ZFE. WHEN SET TO 2, MERGING IS
71        BYPASSED. ZFENH = .5. MERGING IS INCLUDED IN ZFE
72
73     NOTE THAT FOR NON-MOIST PLUMES, WF, RM, SATU1, PHI SHOULD BE SET AT
74     SMALL VALUES. THE CASE OF A DRY PLUME IN A MOIST ATMOSPHERE HAS
75

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Line	Code	Text	Page
80		NOT BEEN COMPLETELY INCLUDED	
85		EXTERNAL DEBRIN OUTA	
90		DIMENSION PRMT(5), AUX(16,6), F(6), FP(6), N11(18)	
95		COMMON/2FEN/2FENH	
100		COMMON/AMB/T12, C12, C10, T10, P10, GA, AL, BE, FR, R1, FRL, RMU, ALT, SATU1,	
105		1PM1, DEL, MF, RH	
110		COMMON/OUT/L, TH1, TH2, W, Z, SNEH, DS, R, K, N11, J3, J2, J5, JJ, SPACE, SIGMA	
115		1, GAMMA, CD, A7, XXX, RS, RSH, XH, INDIC, SATU, J19, WATER	
120		COMMON/2F9/SET, XE, YE, ZE, DBE, DCE, DTE, LCNT, RUE, T1E, T2E, RSE	
125		COMMON/STAGE/11, R, R1	
130		COMMON/PB7/111, 1111, 1111, 1L, 1LL	
135		COMMON/PLTE/J6, J7, J8, J9, J10, X1M, Y1M, X2M, Y2M, Y3M	
140		COMMON/NO12/LL	
145		COMMON/PAS/XAB(18)	
150		COMMON/P86/XAB(21)	
155		DATA XAB/ 5, 6, 7, 8, 9, 1, 1, 1, 1, 2, 1, 3, 1, 4, 1, 5, 1, 6, 1, 7, 1, 8, 1, 9, 2,	
160		110, 50	
165		DATA XAB/D, 05, 1, 15, 2, 25, 3, 35, 4, 45, 5, 55, 6, 65, 7, 75,	
170		1, 8, 85, 9, 95, 1	
175		111 = 1	
180		1 READ (5, 102) JJ, N11	
185		IF (KOF(5), NE, Q) GO TO 221	
190		J5 = 0	
195		JJ = 1	
200		J1 = 0	
205		J2 = 1	
210		J6 = 0	
215		11 = 1	
220		M = 18	
225		N11 CONTAINS ALPHA NUMERIC INFORMATION WHICH IS PRINTED IN	
230		OUTPUT, JJ IS 2, NUMBER	
235		102 FORMAT(14, 16A4, 2A2)	
240		220 PRINT 200, N11, JJ	
245		200 FORMAT(1M1, 8	
250		SOLUTION TO MULTIPLE BUOYANT DISCHARGE 8,	
255		18 PROBLEM WITH AMBIENT CURRENTS AND VERTICAL GRADIENTS, 77,	
260		2 20X, 18A4, 8 1, D = 8, 14, 77)	
265		42 CONTINUE	
270		37 READ(5, 105) FR, R, GA, BE, T10, C10, T12, C12	
275		105 FORMAT(8F10, 0)	
280		READ(5, 100) CD, TH1, TH2, DS, SF, SPACE, GAMMA, AL	
285		M = 1.0E+6	
290		TH1 = 20	
295		SF = SF2	
300		100 FORMAT(8F10, 0)	
305		9876 R1 = R	
310		RE = 1.0E+6	
315		READ(5, 115) MF, RH, ALT, SATU1, PM1, DEL, ZFENH	
320		115 FORMAT(7F10, 0)	
325		P10 = 1 + BE*(1 - T10) + GA*(1 - C10)	
330		P12 = -BE*T12 - GA*C12 - AL	
335		PRINT 207, T10, C10, P10, T12, C12, P12, PM1	
340		207 FORMAT(1M, 8	
345		AMBIENT CONDITIONS AT DISCHARGE - 8,	
350		18 NONDIMENSIONAL 8, 7, 8 TEMP = 8, F8, 5, 2X, 8MOISTURE = 8, F8, 5, 2X,	
355		28 DENSITY = 8, F8, 5, 3X, 8TEMPGR = 8, F9, 6, 2X, 8MOISGR = 8, F9, 6, 2X,	
360		38 DEWGR = 8, F10, 7, 8 RELHUM = 8, F8, 5, 77)	
365		40 PRINT 202, SPACE	
370		202 FORMAT(1M, 8	
375		TOWER SPACING L/D = 8, F6, 2)	
380		IF (ABS(P12) - 1.0E-10) 90, 90, 91	
385		90 T = 1.0E+8	
390		GO TO 92	
395		91 T = (P10 - 1.0)/(-P12)	
400		92 PRINT 206, FR, R, T	
405		206 FORMAT(1M, 8	
410		FROUDE NO = 8, F9, 2, 4X, 8VELOCITY RATIO = 8,	
415		1 F7, 3, 4X, 8STRATIFICATION NO = 8, F7, 1, 77)	
420		FR = 2, 8FRSFR	
425		SPACE = 2, 8SPACE	
430		DS11 = DS	
435		TTT1 = TH1	
440		TTT2 = TH2	
445		R3 = 88 SIN(0.017453298*TH1)*COS(0.017453298*TH2)	
450		(PTH3 - T) 60, 61, 60	
455		61 R3 = 0.0	
460		60 CALL ZFE	
465		888 ZFE COMPUTES INITIAL CONDITIONS AT END OF ZFE 888	
470		DS=DS11 SJTY=1	
475		TH1=TTT18 01745329	
480		TH2=TTT28 01745329	


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160      T1E=T1E8 017463329
      T2E=T2E8 017463329
      C CONVERTS FROM DEGREES TO RADIANS
      C IN ANGLE AT S-D. IS ANGLE AT SC
      S1= SIN(T1E)
      C2= COS(T2E)
      RS12=RS518C2
      PRT(1)=SET
      PRT(2)=SF
      PRT(3)=OS
      PRT(4)= 001
170      N=N6
      C N=NUMBER OF DIFFERENTIAL EQUATIONS
      K=0
      C K COUNTS NUMBER OF INTEGRATIONS
      H12=RS12
      DO 2 I=1,6
175      2  PP(1)=0.1666667
      SIGMA=00E
      RS12=00E000E
      C IF YEAR CORE FINISHES FIRST THEN DYE,DCE WILL BE CURRENT DECAY
      C QUANTITIES FOR F(2) AND F(3). F(1) WOULD BE SLIGHTLY DIFFERENT THAN
      C RUE
      F(1)=(1.0-RS12)
      F(2)=DYE
      F(3)=DCE
      F(4)=00E
      F(5)=T1E
      F(6)=T2E
180      IF(L+2) 36,18,36
      F(1)=RUE
185      F(2)=1.-T10-1/242
      F(3)=1.-C10-C1242
      F(4)=00E
      L=-1
      IF(LL EQ -1) F(3) = DCE
190      L=-1 INITIALIZES PROGRAM
      PRINT 208
      208 FORMAT(1H0,20X,"ZONE OF ESTABLISHED FLOW",/
      1 1H,5X,"S",5X,"X",7X,"Y",7X,"Z",6X,"TH1",5X,"TH2",6X,
      2 1H,5X,"DUCL",5X,"DYCL",5X,"DCCL",5X,"PI",7X,"YINE",5X,"SATEXT",/
      3 1H,3X,"EX MOS",/)
      CALL OUTP(PRT(1),F,FP,INLF,N,PRT)
      CALL HPCG(PRT,F,FP,N,INLF,DERIV,OUTP,AUX)
      IF(INLF-10) 10,11,11
      11 CALL EXTS(S,X,Y,Z,B,DU,DT,5)
      10 PRINT 212,K,INLF,PRT(4),PRT(5),PRT(3)
      212 FORMAT(1H,/,14X,"NO. OF INTEGRATION STEPS=",14,3X,"NO. OF HALVIN"
      1 1H,5X,"",13,3X,"ABSEAR=",F9.5,3X,"PRT(5)=",F9.3,"FINAL SPACE="
      2 F9.3)
      GO TO 1
210      221 STOP
      END

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DECK1 152
DECK1 153
DECK1 154
DECK1 155
DECK1 156
MOD2 1
DECK1 158
DECK1 159
DECK1 160
DECK1 161
DECK1 162
DECK1 163
DECK1 164
DECK1 165
DECK1 166
DECK1 167
DECK1 168
DECK1 169
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DECK1 182
DECK1 183
DECK1 184
DECK1 185
DECK1 186
MOD19 1
DECK1 187
DECK1 188
DECK1 189
DECK1 190
DECK1 191
DECK1 192
DECK1 193
DECK1 194
DECK1 195
DECK1 196
MOD2 2
DECK1 198
DECK1 199
DECK1 200
DECK1 201
DECK1 202
DECK1 203

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SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS
377 TOWER4

VARIABLES	SM	TYPE	RELOCATION	REFS	86	131	DEFINED	121
6 ALT	REAL	AMB	REFS	86	DEFINED	128		
14 ALT	REAL	AMB	REFS	86	DEFINED	128		
1155 AUX	REAL	ARRAY	REFS	84	202			
43 A7	REAL	OUT	REFS	88				
1145 B	REAL	ZF9	REFS	204				
4 BBE	REAL	ZF9	REFS	90	177	2#178	185	192
1140 BBE2	REAL	DEFINED	REFS	178				
7 BE	REAL	AMB	REFS	86	130	131	DEFINED	119
42 CD	REAL	OUT	REFS	88	DEFINED	121		
2 C10	REAL	AMB	REFS	86	130	132	191	DEFINED 119
1 C12	REAL	AMB	REFS	86	131	132	191	DEFINED 119
1133 C2	REAL	REFS	165	DEFINED	164			
5 DCE	REAL	ZF9	REFS	90	184	194		
17 DEL	REAL	AMB	REFS	86	DEFINED	128		
6 DS	REAL	OUT	REFS	88	148	168	DEFINED	121 156

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160      T1E=T1E8 01745329
        T2E=T2E8 01745329
        C CONVERTS FROM DEGREES TO RADIAN
        C IN ANGLE AT S-D. IS ANGLE AT SE
        S1=SIN(T1E)
        C2=COS(T2E)
        RS12=ABS12C2
        PRINT(1)=S1
        PRINT(2)=S2
        PRINT(3)=OS
        PRINT(4)= 001
170      N=0
        C N=NUMBER OF DIFFERENTIAL EQUATIONS
        K=0
        C K COUNTS NUMBER OF INTEGRATIONS
        U12=RS12
        DO 2 1=1,8
175      2  FP(1)=0.1666667
        SIGMA=00E
        RS12=00E
        C IF YEAR CORE FINISHES FIRST THEN DYE,DCE WILL BE CURRENT DECAY
        C QUANTITIES FOR F(2) AND F(3). F(1) WOULD BE SLIGHTLY DIFFERENT THAN
        C RUE
        F(1)=(1.0-RS12)
        F(2)=DYE
        F(3)=DCE
        F(4)=00E
        F(5)=T1E
        F(6)=T2E
        IF(L+2) 36,18,36
180      18  F(1)=RUE
        F(2)=1.-T10-1/242
        F(3)=1.-C10-C1242
        F(4)=00E
        36  L=-1
        IF(LL EQ -1) F(3) = DCE
190      L=-1 INITIALIZES PROGRAM
        PRINT 208
        208 FORMAT(1H,20X,"ZONE OF ESTABLISHED FLOW",/
        1 1H,5X,"S",5X,"X",7X,"Y",7X,"Z",6X,"TH1",5X,"TH2",6X,
        2 1H,"WIDTH",5X,"DUCL",5X,"DYCL",5X,"DCCL",5X,"PI",7X,"YINE",5X,"SATEXT",
        3 1H,"EX MOS",/)
        CALL OUTP(PRMT(1),F,FP,IMLF,N,PRMT)
        CALL MPCG(PRMT,F,FP,N,IMLF,DERIV,OUTP,AUX)
        IF(IMLF-10) 10,11,11
        11 CALL EXTR(S,X,Y,Z,B,DU,DT,5)
205      10 PRINT 212,K,IMLF,PRMT(4),PRMT(5),PRMT(3)
        212 FORMAT(1H,/,,"NO. OF INTEGRATION STEPS=",14,3X,"NO. OF HALVIN",
        1 1H,"GS=",13,3X,"ABERR=",F9.5,3X,"PRMT(5)=",F9.3,"FINAL SPACE=",
        2 F9.3)
        GO TO 1
210      221 STOP
        END

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DECK1 152
DECK1 153
DECK1 154
DECK1 155
DECK1 156
MOD2 1
DECK1 158
DECK1 159
DECK1 160
DECK1 161
DECK1 162
DECK1 163
DECK1 164
DECK1 165
DECK1 166
DECK1 167
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DECK1 186
MOD19 3
DECK1 187
DECK1 188
DECK1 189
DECK1 190
DECK1 191
DECK1 192
DECK1 193
DECK1 194
DECK1 195
DECK1 196
MOD2 2
DECK1 198
DECK1 199
DECK1 200
DECK1 201
DECK1 202
DECK1 203

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SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS
377 TOWER4

DEF LINE
1

REFERENCES

VARIABLES	SM	TYPE	RELOCATION	REFS	86	131	DEFINED	121
6 AL	REAL	AMB	REFS	86	131	DEFINED	121	
14 ALT	REAL	AMB	REFS	86	DEFINED	128		
1155 AUX	REAL	ARRAY	REFS	84	202			
43 A7	REAL	OUT	REFS	88				
1145 B	REAL	REFS	204					
4 B0E	REAL	ZF9	REFS	90	177	2*178	185	192
1140 B0E2	REAL	DEFINED	178					
7 BE	REAL	AMB	REFS	86	130	131	DEFINED	119
42 CD	REAL	OUT	REFS	88	DEFINED	121		
2 C10	REAL	AMB	REFS	86	130	132	191	DEFINED 119
1 C12	REAL	AMB	REFS	86	131	132	191	DEFINED 119
1133 C2	REAL	REFS	165	DEFINED	164			
5 DCE	REAL	ZF9	REFS	90	184	194		
17 DEL	REAL	AMB	REFS	86	DEFINED	128		
6 DS	REAL	OUT	REFS	88	148	168	DEFINED	121 156

VARIABLES	SN	TYPE	RELOCATION	REFS	156	204	183	201	202	182	183	184
1127 DS11	*	REAL		REFS	156	204	183	201	202	182	183	184
1147 DT	*	REAL		REFS	204	204	183	201	202	182	183	184
6 DTE	*	REAL	ZF9	REFS	204	204	183	201	202	182	183	184
1146 DM	*	REAL		REFS	204	204	183	201	202	182	183	184
1315 F		REAL	ARRAY	REFS	84	84	201	202	182	183	184	194
1323 FP		REAL	ARRAY	REFS	186	84	201	202	182	183	184	194
10 FB		REAL	AMB	REFS	84	84	201	202	182	183	184	194
12 FBL		REAL	AMB	REFS	84	84	201	202	182	183	184	194
5 GA		REAL	AMB	REFS	84	84	201	202	182	183	184	194
41 GAMMA		REAL	OUT	REFS	84	84	201	202	182	183	184	194
3 H		REAL	OUT	REFS	84	84	201	202	182	183	184	194
1137 I		INTEGER		REFS	176	176	201	202	182	183	184	194
1141 IMLF		INTEGER		REFS	201	201	202	203	205			
0 II		INTEGER	STR95	REFS	91	91	202	203	205			
0 III		INTEGER	P87	REFS	92	92	202	203	205			
1 IIII		INTEGER	P87	REFS	92	92	202	203	205			
2 IIII		INTEGER	P87	REFS	92	92	202	203	205			
3 IIII		INTEGER	P87	REFS	92	92	202	203	205			
50 INDIC		INTEGER	OUT	REFS	88	88	202	203	205			
36 JJ		INTEGER	OUT	REFS	88	88	202	203	205			
1122 J1	*	INTEGER		REFS	106	106	202	203	205			
4 J10		INTEGER	PLTE	REFS	93	93	202	203	205			
62 J19		INTEGER	OUT	REFS	88	88	202	203	205			
34 J2		INTEGER	OUT	REFS	88	88	202	203	205			
33 J3		INTEGER	OUT	REFS	88	88	202	203	205			
35 J5		INTEGER	OUT	REFS	88	88	202	203	205			
0 J6		INTEGER	PLTE	REFS	93	93	202	203	205			
1 J7		INTEGER	PLTE	REFS	93	93	202	203	205			
2 J8		INTEGER	PLTE	REFS	93	93	202	203	205			
10 J9		INTEGER	PLTE	REFS	93	93	202	203	205			
0 K		INTEGER	OUT	REFS	88	88	202	203	205			
0 L		INTEGER	OUT	REFS	88	88	202	203	205			
7 LCNT		INTEGER	ZF9	REFS	90	90	202	203	205			
0 LL		INTEGER	NOIST	REFS	94	94	202	203	205			
1 M		INTEGER	STR95	REFS	91	91	202	203	205			
1135 N		INTEGER		REFS	201	201	202	203	205			
11 N11		INTEGER	ARRAY	REFS	84	84	202	203	205			
16 PHI		REAL	OUT	REFS	86	86	202	203	205			
4 P10		REAL	AMB	REFS	86	86	202	203	205			
1125 P12		REAL		REFS	132	132	202	203	205			
1150 PRMT		REAL	ARRAY	REFS	168	168	202	203	205			
7 R		REAL	OUT	REFS	119	119	202	203	205			
1124 RE	*	REAL		REFS	127	127	202	203	205			
21 RH		REAL	AMB	REFS	86	86	202	203	205			
13 RHU		REAL	AMB	REFS	86	86	202	203	205			
45 RS		REAL	OUT	REFS	88	88	202	203	205			
13 RSE		REAL	ZF9	REFS	90	90	202	203	205			
46 RSM		REAL	OUT	REFS	88	88	202	203	205			
1134 RST2		REAL		REFS	174	174	202	203	205			
10 RUE		REAL	ZF9	REFS	90	90	202	203	205			
11 R1		REAL	AMB	REFS	86	86	202	203	205			
2 R3		REAL	STR95	REFS	91	91	202	203	205			
1142 S	*	REAL		REFS	204	204	202	203	205			
51 SATU		REAL	OUT	REFS	88	88	202	203	205			
15 SATU1		REAL	AMB	REFS	86	86	202	203	205			
0 SET		REAL	ZF9	REFS	90	90	202	203	205			
1123 SP		REAL		REFS	124	124	202	203	205			
40 SIGMA		REAL	OUT	REFS	88	88	202	203	205			
5 SNEW		REAL	OUT	REFS	88	88	202	203	205			
37 SPACE		REAL	OUT	REFS	88	88	202	203	205			
1132 ST		REAL		REFS	165	165	202	203	205			
1126 T		REAL		REFS	143	143	202	203	205			
1 TH1		REAL	OUT	REFS	88	88	202	203	205			
2 TH2		REAL	OUT	REFS	88	88	202	203	205			
3 T10		REAL	AMB	REFS	86	86	202	203	205			
0 T12		REAL	AMB	REFS	86	86	202	203	205			
1130 TTT1		REAL		REFS	157	157	202	203	205			
1131 TTT2		REAL		REFS	158	158	202	203	205			
11 T1E		REAL	ZF9	REFS	90	90	202	203	205			
12 T2E		REAL	ZF9	REFS	90	90	202	203	205			
1136 U12	*	REAL		REFS	174	174	202	203	205			
53 WATER		REAL	OUT	REFS	88	88	202	203	205			
20 WP		REAL	AMB	REFS	86	86	202	203	205			
1143 X	*	REAL		REFS	204	204	202	203	205			
0 XAA		REAL	ARRAY	REFS	95	95	202	203	205			

VARIABLES	SN	TYPE	RELOCATION	REFS	96	DEFINED	99		
0 XAB	REAL	ARRAY	P86	REFS	96	DEFINED	99		
1 XE	REAL		2F9	REFS	90				
4 XH	REAL		OUT	REFS	88				
46 XXX	REAL		OUT	REFS	88				
5 X1M	REAL		PLTE	REFS	93				
114 X2M	REAL		PLTE	REFS	93				
2 YE	REAL		2F9	REFS	204				
6 Y1M	REAL		PLTE	REFS	93				
10 Y2M	REAL		PLTE	REFS	93				
11 Y3M	REAL		PLTE	REFS	93				
2 Z	REAL		OUT	REFS	88				
3 ZE	REAL		2F9	REFS	90	190	191	204	
0 ZFENM	REAL		ZFEN	REFS	85	DEFINED	128		

FILE NAMES	MODE								
0 INPUT	FMT		WRITES	114	132	137	143	196	205
173 OUTPUT	FMT		READS	102	119	121	128		
0 TAPES									
173 TAPES									

EXTERNALS	TYPE	ARGS	REFERENCES						
COS	REAL	1 LIBRARY	151	164					
DEIV		0	83	202					
EOP	REAL	1	103						
EXTR		8	204						
WPCG		8	202						
OUTP		8	83	201	202				
STN	REAL	1 LIBRARY	151	163					
ZFE		0	154						

INLINE FUNCTIONS	TYPE	ARGS	DEF LINE	REFERENCES
ABS	REAL	1 INTMIN		139

STATEMENT LABELS		DEF LINE	REFERENCES
401 1		102	209
0 2		176	175
577 10		205	203
0 11	INACTIVE	204	28203
0 18	INACTIVE	189	188
561 36		193	28188
0 37	INACTIVE	119	
0 40	INACTIVE	137	
0 42	INACTIVE	118	
479 60		154	28152
0 61	INACTIVE	153	152
0 90	INACTIVE	140	28139
45 91		142	139
45 92		143	141
725 100	FMT	125	121
643 102	FMT	113	102
707 105	FMT	120	119
742 115	FMT	129	128
653 200	FMT	115	114
1007 202	FMT	138	137
1022 206	FMT	144	143
756 207	FMT	133	132
1037 208	FMT	197	196
1071 212	FMT	206	205
0 220	INACTIVE	114	
602 221		210	103
0 9876	INACTIVE	126	

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES
531	2	1	175 176	38	OPT

COMMON	BLOCKS	LENGTH	MEMBERS	- BIAS	NAME (LENGTH)
	ZFEN	1		0	ZFENM (1)
	AND	18		0	TT2 (1)
				3	TI0 (1)
				6	AL (1)
				9	RI (1)
				12	RLT (1)
				15	DEL (1)
				0	L (1)
				3	H (1)
				6	DS (1)
				9	N11 (18)
				29	J5 (1)
	OUT	44		1	CT2 (1)
				4	PIO (1)
				7	BE (1)
				10	FAL (1)
				13	SRYUT (1)
				16	WF (1)
				1	TH1 (1)
				4	Z (1)
				7	W (1)
				27	J3 (1)
				30	JJ (1)
				2	CT0 (1)
				5	GA (1)
				8	FR (1)
				11	RMU (1)
				14	PHI (1)
				17	RM (1)
				2	TH2 (1)
				5	SNEW (1)
				8	K (1)
				28	J2 (1)
				31	SPACE (1)

COMMON BLOCKS LENGTH MEMBERS - BARS NAME(LENGTH)

259 12

STR95
PA7

PLATE 10

MOIST	1
P05	18
P06	21

Symbol	Meaning	Count
S	SH	(1)
A	SH	(1)
B	SH	(1)
C	SH	(1)
D	SH	(1)
E	SH	(1)
F	SH	(1)
G	SH	(1)
H	SH	(1)
I	SH	(1)
J	SH	(1)
K	SH	(1)
L	SH	(1)
M	SH	(1)
N	SH	(1)
O	SH	(1)
P	SH	(1)
Q	SH	(1)
R	SH	(1)
S	SH	(1)
T	SH	(1)
U	SH	(1)
V	SH	(1)
W	SH	(1)
X	SH	(1)
Y	SH	(1)
Z	SH	(1)

33	GAMMA	(1)
36	XXX	(1)
39	XM	(1)
42	XIB	(1)
1	XE	(1)
4	BCE	(1)
7	LCNT	(1)
10	T2E	(1)
1	M	(1)
1	ILLY	(1)
4	ILL	(1)
1	JZ	(1)
4	J10	(1)
7	X2M	(1)

34	CD	(1)
37	RS	(1)
40	INDIC	(1)
43	WATER	(1)
2	YE	(1)
5	DCE	(1)
8	RUE	(1)
11	RSE	(1)
2	R3	(1)
2	1111	(1)
2	18	(1)
5	X1H	(1)
8	Y2M	(1)

STATISTICS

PROGRAM LENGTH	12078	647
BUFFER LENGTH	1228	82
CM LABELED COMMON LENGTH	2058	133
520000 CM USED		

Line	Code	Statement	Label
1		SUBROUTINE ZFE	DECK2 1
	C	THIS PROGRAM COMPUTES THE SOLUTION TO THE BUOYANT JET PROBLEMS	DECK2 2
	C	WITHIN THE ZONE OF FLOW ESTABLISHMENT WHEN DEPENDENT VARIABLES	DECK2 3
	C	ARE RU, RT, RC, B, AND TM1, TM2, SINGLE PLUMES, MERGING PLUMES, AND HEAD	DECK2 4
5	C	PLUMES ARE HANDLED WITH MOISTURE EFFECTS INCLUDED. THE SOLUTION	DECK2 5
	C	CALCULATES RU, RT, RC, B, TM1, TM2 AS FUNCTIONS OF S. WHEN RU, RT, RC	DECK2 6
	C	TO ZERO THIS ROUTINE TERMINATES AND AN APPROPRIATE ROUTINE BEGINS.	DECK2 7
		DIMENSION PART(16), AUX(16,6), F(6), FP(6), M1(18)	DECK2 8
10		COMMON/PB7/111,111Y,111I,1L,1LL	MOD1 9
		COMMON/ABD/T12,C12,C10,T10,P10,GA,AL,BE,FR,R1,FRL,RMU,ALT,SATU1,	DECK2 10
		1PM1,DEL,WF,RA	DECK2 11
		COMMON/OUT/L, TM1, TM2, N, Z, SMEN, DS, B, K, M11, J1, J2, J5, J1, SPACE, SIGMA	DECK2 12
		1, GAMMA, CD, A7, XXX, RS, RSH, XH, INDIC, SATU, J19, WATER	DECK2 13
15		COMMON/ZF9/SET, XE, YE, ZE, BOE, DCE, DTE, LCNT, RUE, T1E, T2E, RSE	DECK2 14
		COMMON/MOIST/LL	MOD18 15
		EXTERNAL DERIV1, OUTP1	DECK2 16
		MARK = 0	MOD19 17
		P12 = -BEST12 - GABC12 - AL	DECK2 18
		1000 = 0	MOD21 19
20		LL = 0	MOD18 20
		TM1 = 0.017453298TH1 SJ19 = 0	DECK2 21
		TM2 = 0.017453298TH2	DECK2 22
		PRNT(1) = 0.0	DECK2 23
25		PRNT(2) = 100	DECK2 24
		PRNT(3) = 0.01	DECK2 25
		PRNT(4) = 0.0001	DECK2 26
		IF(ABS(COS(TM2)) - 0.01) 1, 1, 2	DECK2 27
	1	TM1 = TM2	DECK2 28
30	2	N = 6	DECK2 29
		L = 0	DECK2 30
		LCNT = 0	DECK2 31
		DO 3 I = 1, N	DECK2 32
35	3	FP(1) = 16666667	DECK2 33
		F(1) = 1.0	DECK2 34
		F(2) = 1.0	DECK2 35
		F(3) = 1.0	DECK2 36
		F(4) = 0.0	DECK2 37
		F(5) = TM1	DECK2 38
		F(6) = TM2	DECK2 39
40		C F(1) = RU, F(2) = RT, F(3) = RC, F(4) = B, F(5) = TM1, F(6) = TM2	DECK2 40
		INHALF = 0	DECK2 41
		PRINT 210	MOD1 42
45	210	FORMAT(1MO,20X,8ZONE OF FLOW ESTABLISHMENT -- ALL LENGTHS,	MOD1 43
		18 ARE NORMALIZED BY DISCHARGE DIAMETER 8, /	MOD19 44
		1 8X, 8S8, 9X, 8R8, 7X, 8Y8, 7X, 8Z8, 6X, 8TH8, 5X, 8YH28, 9X	DECK2 45
		3, 80 8, 5X, 8R8, 6X, 8R8, 6X, 8R8, 5X, 8DUCL8, 4X, 8DTCL8, 4X, 8DCCL8,	DECK2 46
		46X, 8P18, 7X, 8T18, 2X, 8RS8, /)	DECK2 47
		J5 = 0	MOD19 48
50		CALL OUTP1 (PRNT(1), F, FP, INHALF, N, PRNT)	DECK2 49
		CALL MPCG (PRNT, F, FP, N, INHALF, DERIV1, OUTP1, AUX)	DECK2 50
		IF(L+2) 6, 21, 22	DECK2 51
55	21	F(1) = RUE	DECK2 52
		F(2) = 1.0 - Y10 - Y1282	DECK2 53
		F(3) = 1.0 - C10 - C1282	DECK2 54
		F(4) = BOE	DECK2 55
		F(5) = T1E80.01745329	DECK2 56
		F(6) = T2E80.01745329	DECK2 57
60		C F(1) = RU/RO, F(2) = (TM - T1)/TO, F(3) = (CM - C1)/CO, F(4) = B/RO	DECK2 58
		TM1 = F(5)	DECK2 59
		TM2 = F(6)	DECK2 60
		DO 9 I = 1, 6	DECK2 61
65	9	FP(1) = 16666667	DECK2 62
		PRNT(1) = SET	DECK2 63
		PRNT(2) = SET + 100	DECK2 64
		PRNT(3) = 0.01	DECK2 65
		PRNT(4) = 0.0001	DECK2 66
		INHALF = 0	DECK2 67
		1000 = 1	MOD21 68
70		GO TO 17	DECK2 69
	22	IF(LL.NE.-1) GO TO 24	MOD20 70
		F(1) = RUE	MOD19 71
		IF(MARK.EQ.1) GO TO 35	MOD19 72
		F(1) = (1 - BBSIN(T1E80.01745329)8COS(T2E80.01745329))	MOD18 73
75	35	CONTINUE	MOD19 74
		F(2) = DTE	MOD18 75
		F(3) = 1 - C10 - C1282	MOD18 76
		F(4) = BOE	MOD18 77
		F(5) = T1E80.01745329	MOD18 78
		F(6) = T2E8	

80

TH1 = F(5)
TH2 = F(6)
DO 25 I = 1, 6
Z(I) = 1.66666667

MOD18 10
MOD18 11
MOD18 12
MOD18 13

85

PRMT(1) = SET
PRMT(2) = SET + 100
PRMT(3) = 01
PRMT(4) = 0001

MOD18 14
MOD18 15
MOD18 16
MOD18 17

90

24

IMHALF = 0
GO TO 17
F(1) = (1 - RBSIN(T1E8.01745329)RCOS(T2E8.01745329))
F(2) = DTE

MOD18 18
MOD18 19
MOD18 20
DECK2 65

95

F(3) = DCE
F(4) = DCE
F(5) = T1E8.01745329
F(6) = T2E8.01745329

DECK2 66
DECK2 67
DECK2 68
DECK2 69

100

13

TH1 = F(5)
TH2 = F(6)
MARK = 1
C F(1) = DCE, F(2) = RT/RO, F(3) = CT/CO, F(4) = R/RO

DECK2 70
DECK2 71
MOD19 7
DECK2 72

105

DO 13 I = 1, 6
FP(1) = 0.16666667
PRMT(1) = SET
PRMT(2) = SET + 100
PRMT(3) = 01
PRMT(4) = 0001
IMHALF = 0
GO TO 17

DECK2 73
DECK2 74
DECK2 75
DECK2 76

110

17

CALL OUTP1(PRMT(1), F, FP, IMHALF, N, PRMT)
CALL HPCG(PRMT, F, FP, N, IMHALF, DERIV1, OUTP1, AUX)
IF (IBO8.GT.0) GO TO 95
IF (LL.EQ.-1.AND.LL.EQ.-1) GO TO 22
GO TO 95

DECK2 77
DECK2 78
DECK2 79
DECK2 80

115

231

PRINT 231, IMHALF, PRMT(5)
FORMAT(1NO, "ERROR IN HPCG. NO. OF HALFINGS=", 13, "PRMT(5)=", F8.2)
RETURN
END

DECK2 81
DECK2 82
MOD21 3
MOD18 21

DECK2 83
DECK2 84
DECK2 85
DECK2 86

DECK2 87

SYMBOLIC REFERENCE MAP (R=3)

ENTRY 1	POINTS ZFE	DEF LINE 1	REFERENCES 115											
VARIABLES				SM	TYPE	RELOCATION								
6	AL	REAL			REAL	AND	REFS	10	18					
14	ALT	REAL			REAL	AND	REFS	10						
352	AUX	REAL			REAL	ARRAY	REFS	8	50	109				
41	A7	REAL			REAL	OUT	REFS	12						
6	DCE	REAL			REAL	ZF9	REFS	14	55	77	93			
7	DE	REAL			REAL	AND	REFS	10	18					
42	CD	REAL			REAL	OUT	REFS	12						
2	C10	REAL			REAL	AND	REFS	10	54	76				
1	C12	REAL			REAL	AND	REFS	10	18	54	76			
5	DCE	REAL			REAL	ZF9	REFS	14	92					
17	DEL	REAL			REAL	AND	REFS	10						
6	DS	REAL			REAL	OUT	REFS	12						
6	DYE	REAL			REAL	ZF9	REFS	14	75	91				
512	F	REAL			REAL	ARRAY	REFS	8	49	50	59	60	80	
							REFS	96	97	108	109	DEFINED	34	35
							REFS	37	38	39	52	53	54	55
							REFS	57	71	73	75	76	77	78
							REFS	90	91	92	93	94	95	96
							REFS	8	49	50	108	109	109	109
							DEFINED	33	62	83	101			
10	FW	REAL			REAL	AND	REFS	10						
12	FAL	REAL			REAL	AND	REFS	10						
5	GA	REAL			REAL	AND	REFS	10	18					
41	GAMMA	REAL			REAL	OUT	REFS	12						
3	H	REAL			REAL	OUT	REFS	12						
243	I	INTEGER			INTEGER		REFS	33	62	83	101	DEFINED	32	61
							REFS	82						
341	IBO8	INTEGER			INTEGER		REFS	100						
344	IMHALF	INTEGER			INTEGER		REFS	110	DEFINED	19	68			
							REFS	49	50	108	109	113		
							DEFINED	41	67	88	106			
0	III	INTEGER			INTEGER	P07	REFS	9						

STATEMENT LABELS

DEF. LINE REFERENCES

DEF. LINE	REFERENCES
161	70
132	70
133	70
134	70
135	70
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1 SUBROUTINE OUTP1(S,F,FP,TH,N,PMT)
2 DIMENSION F(6),FP(6),PMT(6),SO(4),SN(4),N1(18)
3 COMMON/ARG/T12,C12,C10,T10,P10,GA,AL,BE,FR,R1,PL,RMU,ALT,SATU1,
4 LAM1,BL,M,BM
5 COMMON/OUT/L,TH1,TH2,M,Z,SNEM,DS,R,K,N11,J3,J2,J5,JJ,SPACE,SIGMA
6 1 GAMMA,CO,A7,XKN,RS,ASH,XA,INDIC,SATU,J19,WATER
7 COMMON/SET/SE,XE,YE,ZE,BDE,DCE,DTE,LCNT,RUE,Y1E,T2E,RSE
8 COMMON/BB/LL,M,BM
9 COMMON/PO/II,IIIV,IIIV,IIIV,IL,ILL
10 COMMON/RO/ST/LL
11 IF(L)1,1,2
12 1 SN(1)=SIN(TH1)
13 SN(2)=SIN(TH2)
14 SN(3)=COS(TH1)
15 SN(4)=COS(TH2)
16 J=PMT(3)
17 OS=PMT(3)
18 RUN=0.0
19 RTH=0.0
20 BCN=0.0
21 UN=1.0
22 SSN=0.0
23 TIN=TH1*857.29578
24 T2N=TH2*857.29578
25 VN=0.0
26 YN=0.0
27 ZN=0.0
28 X=0.0
29 Y=0.0
30 Z=0.0
31 ASN=0.0
32 KS=0.0
33 JP=100
34 IF(L+1)30,32,31
35 L=1
36 GO TO 6
37 32 L=3
38 X=XE
39 Y=YE
40 Z=ZE
41 RS=RSE
42 GO TO 6
43 30 L=2
44 X=XE
45 Y=YE
46 Z=ZE
47 RS=RSE
48 GO TO 6
49 2 IF(MOST(S-TJ))-01)3,3,4
50 3 SN(1)=SIN(F(5))
51 SN(2)=SIN(F(6))
52 SN(3)=COS(F(5))
53 SN(4)=COS(F(6))
54 X=X+0.58(SN(3)*N(4)+SO(3)*SO(4))*DS
55 Y=Y+0.58(SN(1)*SN(4)+SO(1)*SO(4))*DS
56 Z=Z+0.58(SN(2)+SO(2))*DS
57 DO 5 I=1,4
58 SO(I)=SN(I)
59 TIME=S
60 P12=-DEBT12-GARC12-AL
61 C1=C10+C12*2
62 T1=T10+T12*2
63 P1=P10+P12*2
64 F55=F(5)*857.29578
65 F66=F(6)*857.29578
66 IF(JP-100)50,51,51
67 DUU=(1.0-RASN(1)*SN(4))/(1.0-R3)
68 DELT=(1.0-T1)/(1.0-T10)
69 DELC=0.0
70 DENOM=1.0-C10
71 IF(DENOM.NE.0.)DELC=(1.0-C1)/DENOM
72 C F(2)=RT OR (TH-T1)/TO,F3 SAME FOR C
73 DUU=(UP-DT2)/(UP-DT20) DELT=(TH-T1)/(TO-T10)
74 IF(L-2)22,23,25
75 23 DELT=F(2)/(1.0-T10)
76 DELC=0.0
77 DENOM=1.0-C10
78 IF(DENOM.NE.0.)DELC=F(3)/DENOM
79 GO TO 22
```

```

80      25 DUU=F(1)/(1.0-R3)
        IF (LL.NE.-1) GO TO 22
        DELC = 0.0
        DENOM = 1.0 - C10
85      22 S00=S/2.0
        X00=X/2.0
        Y00=Y/2.0
        Z00=Z/2.0
        R00=R/2.0
        S00=RS/2.0
        X00=X/2.0
        Y00=Y/2.0
        Z00=Z/2.0
        R00=R/2.0
        PRINT 100,S00,X00,Y00,Z00,F55,F66,BB0,RU00,DT00,DC00,DUU,
95      100 DELT,DELC,F1,TIME,R500
        FORMAT(1H,F9.2,1X,5F8.2,2X,7F8.3,2X,F9.5,F7.1,2X,F6.4)
        N=N+1
        IF (N-75) 43,44,44
100      44 B=0
        PRINT 207,J3
        FORMAT(1H1,60X,"I.D.:",14,/)
        JP=0
        JP=JP+1
105      LCNT=LCNT+1
        IF (LCNT-9000)41,41,42
        42 PRINT 206
        206 FORMAT(1H1)
        LCNT=0.0
110      41 RU0=RUN
        RT0=RTN
        RC0=RCN
        BU=BN
        SS=SSN
        T10=T1N
        T20=T2N
        X0=XN
        Y0=YN
        Z0=ZN
        RS0=RSN
115      RUN=F(1)
        RTN=F(2)
        RCN=F(3)
        BN=F(4)
        SSN=S
        T1N=F55
        T2N=F66
        XN=X
        YN=Y
        ZN=Z
        RSN=RS
120      IF (RS0.EQ.0.) GO TO 501
        IF (SATUT.EQ.0.) GO TO 501
        IF (JS) 500,500,501
        IF (RSN) 502,502,501
125      500 PRINT 503,500
        502 FORMAT(1H,10X,"END OF VISIBLE PLUME REACHED. RXX LENGTH =",F9.3)
        JS = 1
        501 CONTINUE
        IF (L-2)20,21,20
130      20 IF (P(2)) 14,14,21
        14 SET=SSN-RTN*(SSN-SS)/(RTN-RT0)
        RUE=RU0+(SET-SS)*(RU0-RUN)/(SS-SSN)
        RTE=RT0+(SET-SS)*(RT0-RTN)/(SS-SSN)
        RCE=RC0+(SET-SS)*(RC0-RCN)/(SS-SSN)
        BUE=BU+(SET-SS)*(BU-BN)/(SS-SSN)
        T1E=T10+(SET-SS)*(T10-T1N)/(SS-SSN)
        T2E=T20+(SET-SS)*(T20-T2N)/(SS-SSN)
        XE=X0+(SET-SS)*(X0-XN)/(SS-SSN)
        YE=Y0+(SET-SS)*(Y0-YN)/(SS-SSN)
        ZE=Z0+(SET-SS)*(Z0-ZN)/(SS-SSN)
        RSE=RS
        S00=SET/2.0
        PRINT 200,S00
135      200 FORMAT(1H," STARTING LENGTH. T=",F9.3,10X,"
        1 15X,"DTAL",4X,"DCAL")
        IF (L-3)18,19,18
140      18 L=-2
        LL = -1

```

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DECKJ 79
MOD18 2
MOD18 3
MOD18 4
MOD18 5
DECKJ 80
DECKJ 81
DECKJ 82
MOD9 83
DECKJ 84
DECKJ 85
DECKJ 86
DECKJ 87
MOD2 88
DECKJ 89
MOD8 90
DECKJ 91
MOD19 92
DECKJ 93
DECKJ 94
DECKJ 95
DECKJ 96
DECKJ 97
DECKJ 98
DECKJ 99
DECKJ 100
DECKJ 101
DECKJ 102
DECKJ 103
DECKJ 104
DECKJ 105
DECKJ 106
DECKJ 107
DECKJ 108
DECKJ 109
DECKJ 110
DECKJ 111
DECKJ 112
DECKJ 113
DECKJ 114
DECKJ 115
DECKJ 116
DECKJ 117
DECKJ 118
DECKJ 119
DECKJ 120
DECKJ 121
DECKJ 122
DECKJ 123
DECKJ 124
MOD19 2
MOD19 3
MOD19 4
MOD19 5
MOD19 6
MOD19 7
MOD19 8
MOD19 9
DECKJ 125
MOD18 6
DECKJ 127
DECKJ 128
DECKJ 129
DECKJ 130
DECKJ 131
DECKJ 132
DECKJ 133
DECKJ 134
DECKJ 135
DECKJ 136
DECKJ 137
DECKJ 138
DECKJ 139
MOD1 2
DECKJ 141
DECKJ 142
DECKJ 143
MOD18 7

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DECK3	144
DECK3	145
DECK3	146
DECK3	147
MOD18	8
MOD18	9
MOD18	10
MOD18	11
MOD18	12
MOD18	13
MOD18	14
MOD18	15
MOD18	16
MOD18	17
MOD18	18
MOD18	19
MOD18	20
MOD18	21
MOD18	22
MOD18	23
MOD18	24
MOD18	25
MOD18	26
MOD18	27
MOD18	28
MOD18	29
DECK3	149
DECK3	150
DECK3	151
DECK3	152
DECK3	153
DECK3	154
DECK3	155
DECK3	156
DECK3	157
DECK3	158
DECK3	159
DECK3	160
DECK3	161
DECK3	162
DECK3	163
DECK3	164
DECK3	165
DECK3	166
DECK3	167
DECK3	168
DECK3	169
DECK3	170
MOD6	1
DECK3	172
DECK3	173
DECK3	174
DECK3	175
DECK3	176
DECK3	177
DECK3	178
DECK3	179
MOD19	10
DECK3	181
DECK3	182
DECK3	183
DECK3	184
DECK3	185
DECK3	186
DECK3	187
DECK3	188
DECK3	189
DECK3	190
DECK3	191
DECK3	192
DECK3	193
DECK3	194

ENTRY POINTS	DEF LINE	REFERENCES	160	162	186	206	230				
3	1										
OUTPUT											
VARIABLES	SN	TYPE	RELOCATION	REFS							
6	AL	REAL	AMB	3			60				
14	ALT	REAL	AMB	3							
43	AT	REAL	OUT	3							
1030	88E	REAL	ZF9	94			222	DEFINED	145	170	189
774	88	REAL	AMB	1			227	DEFINED	90	222	
1037	80	REAL		112			145				
42	CO	REAL	OUT	28145			28170	170	189	DEFINED	21
1012	CI	REAL		5				189	DEFINED	112	
2	CIO	REAL	AMB	71			216	DEFINED	70	83	164
1	C12	REAL	AMB	21			61				209
5	DCE	REAL	ZF9	3			60	61			
1033	DC00	REAL		7			210	217	225	DEFINED	144
1051	DCT	REAL		94			227	DEFINED	208	210	217
17	DEL	REAL	AMB	3							
1021	DELC	REAL		94			DEFINED	69	71	76	82
1020	DELT	REAL		94			DEFINED	68	75		
1022	DENOM	REAL		2871			2878	2884	28210	28216	217
6	DS	REAL	OUT	70			54	55	209	215	
1032	DTE	REAL	ZF9	5			207	224	DEFINED	143	17
1032	DT00	REAL		7			227	DEFINED	92	224	190
1050	DYT	REAL		227			DEFINED	207	213		
1040	DUT	REAL		94			DEFINED	206	212		
1017	DUU	REAL		94			DEFINED	67	80		
0	F	REAL	ARRAY	2			50	51	52	57	64
			F. P.	75			80	84	90	91	95
				120			121	122	123	140	165
0	FP	REAL	ARRAY	1			DEFINED	1			
10	FAL	REAL	AMB	3							
1015	F55	REAL	AMB	3							
1016	F66	REAL		94			125	DEFINED	64		
41	GA	REAL	AMB	94			126	DEFINED	65		
3	GAMMA	REAL	OUT	5			60				
1007	H	REAL	OUT	5							
0	I	INTEGER		2858			DEFINED	57			
0	II	INTEGER	BUNUSED	1							
0	III	INTEGER	STR95	8							
1	IIII	INTEGER	P87	9							
2	IIII	INTEGER	P87	9							
3	IIII	INTEGER	P87	9							
4	ILL	INTEGER	P87	9							
50	INDIC	INTEGER	OUT	9							
36	JJ	INTEGER	OUT	9							
1006	JP	INTEGER		66			103	DEFINED	33	102	103
52	J19	INTEGER	OUT	9							
34	J2	INTEGER	OUT	9							
33	J3	INTEGER	OUT	9							
35	J5	INTEGER	OUT	9							
10	K	INTEGER	OUT	9							
0	L	INTEGER	OUT	9							
7	LCNT	INTEGER		212			DEFINED	35	37	43	74
0	LL	INTEGER	ZF9	7			104	105	DEFINED	139	156
1	M	INTEGER	NOIST	10			81	163	217	104	108
0	N	INTEGER	STR95								

VARIABLES	SM	TYPE	RELOCATION	REFS						
773 RCN	REAL			DEFINED	111	144	28166	169	191	
1036 RCO	REAL			REFS	20	122				
13 RCU	REAL			REFS	28144	166	28169	28191	DEFINED	111
46 RS	REAL			REFS						
				OUT		89	130	151	176	197
13 RSE	REAL			DEFINED	32	41	47	DEFINED	151	176
46 RSN	REAL			REFS	5	41	47	DEFINED	151	176
1006 RSN	REAL			REFS	119	134	DEFINED	31	130	
1046 RSO	REAL			REFS	131	DEFINED	119			
1022 RSOO	REAL			REFS	24	222	DEFINED	89	226	
772 RYN	REAL			REFS	110	28141	143	168	190	
1035 RTO	REAL			DEFINED	19	121				
10 RUE	REAL			REFS	141	28143	28168	28190	DEFINED	110
771 RUN	REAL			REFS	7	212	223	DEFINED	192	188
				OUT	109	142	167	28187	188	
1034 RUO	REAL			DEFINED	18	120				
1031 RUOO	REAL			REFS	28142	28167	187	28188	DEFINED	109
11 RI	REAL			REFS	24	222	DEFINED	91	223	
2 R3	REAL			REFS	8	67	80	206	212	
0 SATU	REAL			REFS	49	59	85	124	DEFINED	1
15 SATU1	REAL			REFS	3					
0 SET	REAL			REFS	7	132				
				OUT	148	142	143	144	145	146
				REFS	149	150	152	167	168	169
				REFS	171	173	174	175	177	178
				REFS	191	192	193	194	195	196
40 SIGMA	REAL			DEFINED	141	166	187			
1056 SN	REAL	ARRAY	OUT	REFS	5					
				REFS	2	2854	2855	56	58	2867
				DEFINED	12	13	14	15	50	51
5 SNEW	REAL			REFS	5					
1052 SO	REAL	ARRAY	OUT	REFS	2	2854	2855	56	DEFINED	58
1023 S00	REAL			REFS	94	135	153	178	199	227
				DEFINED	85	152	177	198		
37 SPACE	REAL			REFS	5					
1040 SS	REAL		OUT	REFS	141	28142	28143	28144	28145	28146
				REFS	28149	28150	166	28167	28168	28169
				REFS	28171	28173	28174	28175	187	28188
				REFS	28190	28191	28192	28193	28194	28195
				DEFINED	113					
775 SSN	REAL			REFS	113	28141	142	143	144	145
				REFS	147	149	150	28166	167	168
				REFS	170	172	173	174	175	28187
				REFS	171	172	173	174	175	28188
				REFS	189	191	192	193	194	195
				REFS	190	191	192	193	194	195
				DEFINED	22	124				
1 TH1	REAL		OUT	REFS	5	12	14	23		
2 TH2	REAL		OUT	REFS	5	13	15	24		
1013 TI	REAL			REFS	68	213	DEFINED	62		
1010 TIME	REAL			REFS	94	227	DEFINED	59		
3 T10	REAL			REFS	3	62	68	75	207	213
0 T12	REAL			REFS	3	60	62			
770 TJ	REAL			REFS	49	161	DEFINED	16	161	
11 T1E	REAL		ZF9	REFS	7	206	227	DEFINED	146	171
776 T1N	REAL			REFS	114	146	171	192	DEFINED	23
1041 T10	REAL			REFS	28146	28171	28192	DEFINED	114	125
12 T1E	REAL		ZF9	REFS	7	206	227	DEFINED	147	172
777 T2N	REAL			REFS	115	147	172	193	DEFINED	24
1042 T20	REAL			REFS	28147	28172	28193	DEFINED	115	126
53 WATER	REAL		OUT	REFS	5					
20 WF	REAL		AMB	REFS	3					
1003 X	REAL			REFS	54	86	127	DEFINED	28	38
				REFS	194					
1 XE	REAL		ZF9	REFS	7	38	44	219	DEFINED	148
67 XM	REAL		OUT	REFS	5					
1000 XM	REAL			REFS	116	148	173	194	DEFINED	25
1043 XO	REAL			REFS	28148	28173	28194	DEFINED	116	127
1024 X00	REAL			REFS	94	227	DEFINED	86	219	
44 XXX	REAL		OUT	REFS	5					
1004 Y	REAL			REFS	55	87	128	DEFINED	29	39
				REFS	195					
2 YE	REAL		ZF9	REFS	7	39	45	220	DEFINED	149
				REFS	117	149	174	195	DEFINED	26
1001 YN	REAL			REFS	28149	28174	28195	DEFINED	117	128
1044 YO	REAL			REFS						

VARIBLES	SM	TYPE	RELOCATION	REFS							
1025 Y00		REAL		REFS	94	227	DEFINED	87	220		
4 2		REAL	OUT	REFS	5	56	61	62	63	88	129
3 25		REAL	259	DEFINED	30	40	46	56			
				REFS	2	40	46	218	221		
1002 2N		REAL		DEFINED	150	175	196				
1045 220		REAL		REFS	118	150	175	196	DEFINED	27	129
1026 200		REAL		REFS	28150	28175	28196	DEFINED	118		
				REFS	94	227	DEFINED	88	221		

FILE NAMES	MODE	WRITES	94	100	106	135	153	178	199	227
OUTPUT	FMT									

EXTERNALS	TYPE	ARGS	REFERENCES							
COS	REAL	1 LIBRARY	14	15	52	53	206			
SIN	REAL	1 LIBRARY	12	13	50	51	206			

INLINE FUNCTIONS	TYPE	ARGS	DEF LINE	REFERENCES
ABS	REAL	1 INTRIN		49

STATEMENT LABELS	DEF LINE	REFERENCES
0 1	INACTIVE 12	2811
61 2	INACTIVE 49	11
0 3	INACTIVE 50	2849
604 4	INACTIVE 210	49
0 5	INACTIVE 57	36
112 6	INACTIVE 187	28186 42 48
369 13	INACTIVE 161	163 164 165
0 14	INACTIVE 141	28140
561 15	INACTIVE 218	211
520 16	INACTIVE 206	202
0 17	INACTIVE 203	28202
0 18	INACTIVE 157	28156
542 19	INACTIVE 212	156
0 20	INACTIVE 140	28139
445 21	INACTIVE 186	139 140
203 22	INACTIVE 85	74 79 81
0 23	INACTIVE 75	74
172 25	INACTIVE 80	74
51 30	INACTIVE 43	74
0 31	INACTIVE 35	74
41 32	INACTIVE 37	74
367 40	INACTIVE 163	186
240 41	INACTIVE 109	28105
0 42	INACTIVE 106	105
230 43	INACTIVE 102	98
0 44	INACTIVE 99	2898
231 50	INACTIVE 103	66
0 51	INACTIVE 67	2866
631 100	FMT 96	94 227
673 200	FMT 154	153
726 205	FMT 200	199
652 206	FMT 107	106
643 207	FMT 101	100
0 300	INACTIVE 166	28165
710 305	FMT 179	178
0 500	INACTIVE 134	28133
306 501	INACTIVE 138	131 132 133 134
0 502	INACTIVE 135	28134
660 503	FMT 136	135

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES
115	5	1	57 58	38	OPT

COMMON BLOCKS	LENGTH	MEMBERS	- BIAS NAME(LENGTH)
AMB	18		

0 T12 (1)	1 C12 (1)	2 C10 (1)
3 T10 (1)	4 P10 (1)	5 GA (1)
6 AL (1)	7 BE (1)	8 FR (1)
9 RT (1)	10 FWL (1)	11 RWU (1)
12 ALT (1)	13 SATU1 (1)	14 PHI (1)
15 DEL (1)	16 WF (1)	17 RM (1)
0 L (1)	1 TH1 (1)	2 TH2 (1)
3 N (1)	4 Z (1)	5 SNEW (1)
6 DS (1)	7 R (1)	8 K (1)
9 N11 (18)	27 J3 (1)	28 J2 (1)
29 J5 (1)	30 JJ (1)	31 SPACE (1)
32 STGNN (1)	33 GNNNN (1)	34 CD (1)
35 A7 (1)	36 XXX (1)	37 RS (1)
38 RSM (1)	39 XM (1)	40 INDIC (1)

COMMON BLOCKS LENGTH MEMBERS BIAS NAME (LENGTH)

ZF9 12

41 SATU (1)
0 SET (1)
3 ZE (1)
4 DTE (1)
9 TIE (1)
0 III (1)
0 III (1)
3 LL (1)
0 LL (1)42 J19 (1)
1 XE (1)
4 DDE (1)
2 LCAT (1)
10 Y2E (1)
1 M (1)
1 IIIY (1)
4 LLL (1)43 WATER (1)
2 YE (1)
3 DCE (1)
8 BUS (1)
11 RSE (1)
2 R3 (1)
2 IIII (1)

STR95

3

PB7

5

MOIST

1

STATISTICS

PROGRAM LENGTH

10628

562

CM LABELED COMMON LENGTH

1238

83

520000 CM USED


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1 SUBROUTINE DERIV1 (S,F,FP)
  DIMENSION F(6), FP(6), A(4,4), N11(18), A2(3,3), A3(3,3)
  COMMON/ZFEM/ZFEMH
  COMMON/PA1/11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1027,1028,1029,1030,1031,1032,1033,1034,1035,1036,1037,1038,1039,1040,1041,1042,1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053,1054,1055,1056,1057,1058,1059,1060,1061,1062,1063,1064,1065,1066,1067,1068,1069,1070,1071,1072,1073,1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1109,1110,1111,1112,1113,1114,1115,1116,1117,1118,1119,1120,1121,1122,1123,1124,1125,1126,1127,1128,1129,1130,1131,1132,1133,1134,1135,1136,1137,1138,1139,1140,1141,1142,1143,1144,1145,1146,1147,1148,1149,1150,1151,1152,1153,1154,1155,1156,1157,1158,1159,1160,1161,1162,1163,1164,1165,1166,1167,1168,1169,1170,1171,1172,1173,1174,1175,1176,1177,1178,1179,1180,1181,1182,1183,1184,1185,1186,1187,1188,1189,1190,1191,1192,1193,1194,1195,1196,1197,1198,1199,1200,1201,1202,1203,1204,1205,1206,1207,1208,1209,1210,1211,1212,1213,1214,1215,1216,1217,1218,1219,1220,1221,1222,1223,1224,1225,1226,1227,1228,1229,1230,1231,1232,1233,1234,1235,1236,1237,1238,1239,1240,1241,1242,1243,1244,1245,1246,1247,1248,1249,1250,1251,1252,1253,1254,1255,1256,1257,1258,1259,1260,1261,1262,1263,1264,1265,1266,1267,1268,1269,1270,1271,1272,1273,1274,1275,1276,1277,1278,1279,1280,1281,1282,1283,1284,1285,1286,1287,1288,1289,1290,1291,1292,1293,1294,1295,1296,1297,1298,1299,1300,1301,1302,1303,1304,1305,1306,1307,1308,1309,1310,1311,1312,1313,1314,1315,1316,1317,1318,1319,1320,1321,1322,1323,1324,1325,1326,1327,1328,1329,1330,1331,1332,1333,1334,1335,1336,1337,1338,1339,1340,1341,1342,1343,1344,1345,1346,1347,1348,1349,1350,1351,1352,1353,1354,1355,1356,1357,1358,1359,1360,1361,1362,1363,1364,1365,1366,1367,1368,1369,1370,1371,1372,1373,1374,1375,1376,1377,1378,1379,1380,1381,1382,1383,1384,1385,1386,1387,1388,1389,1390,1391,1392,1393,1394,1395,1396,1397,1398,1399,1400,1401,1402,1403,1404,1405,1406,1407,1408,1409,1410,1411,1412,1413,1414,1415,1416,1417,1418,1419,1420,1421,1422,1423,1424,1425,1426,1427,1428,1429,1430,1431,1432,1433,1434,1435,1436,1437,1438,1439,1440,1441,1442,1443,1444,1445,1446,1447,1448,1449,1450,1451,1452,1453,1454,1455,1456,1457,1458,1459,1460,1461,1462,1463,1464,1465,1466,1467,1468,1469,1470,1471,1472,1473,1474,1475,1476,1477,1478,1479,1480,1481,1482,1483,1484,1485,1486,1487,1488,1489,1490,1491,1492,1493,1494,1495,1496,1497,1498,1499,1500,1501,1502,1503,1504,1505,1506,1507,1508,1509,1510,1511,1512,1513,1514,1515,1516,1517,1518,1519,1520,1521,1522,1523,1524,1525,1526,1527,1528,1529,1530,1531,1532,1533,1534,1535,1536,1537,1538,1539,1540,1541,1542,1543,1544,1545,1546,1547,1548,1549,1550,1551,1552,1553,1554,1555,1556,1557,1558,1559,1560,1561,1562,1563,1564,1565,1566,1567,1568,1569,1570,1571,1572,1573,1574,1575,1576,1577,1578,1579,1580,1581,1582,1583,1584,1585,1586,1587,1588,1589,1590,1591,1592,1593,1594,1595,1596,1597,1598,1599,1600,1601,1602,1603,1604,1605,1606,1607,1608,1609,1610,1611,1612,1613,1614,1615,1616,1617,1618,1619,1620,1621,1622,1623,1624,1625,1626,1627,1628,1629,1630,1631,1632,1633,1634,1635,1636,1637,1638,1639,1640,1641,1642,1643,1644,1645,1646,1647,1648,1649,1650,1651,1652,1653,1654,1655,1656,1657,1658,1659,1660,1661,1662,1663,1664,1665,1666,1667,1668,1669,1670,1671,1672,1673,1674,1675,1676,1677,1678,1679,1680,1681,1682,1683,1684,1685,1686,1687,1688,1689,1690,1691,1692,1693,1694,1695,1696,1697,1698,1699,1700,1701,1702,1703,1704,1705,1706,1707,1708,1709,1710,1711,1712,1713,1714,1715,1716,1717,1718,1719,1720,1721,1722,1723,1724,1725,1726,1727,1728,1729,1730,1731,1732,1733,1734,1735,1736,1737,1738,1739,1740,1741,1742,1743,1744,1745,1746,1747,1748,1749,1750,1751,1752,1753,1754,1755,1756,1757,1758,1759,1760,1761,1762,1763,1764,1765,1766,1767,1768,1769,1770,1771,1772,1773,1774,1775,1776,1777,1778,1779,1780,1781,1782,1783,1784,1785,1786,1787,1788,1789,1790,1791,1792,1793,1794,1795,1796,1797,1798,1799,1800,1801,1802,1803,1804,1805,1806,1807,1808,1809,1810,1811,1812,1813,1814,1815,1816,1817,1818,1819,1820,1821,1822,1823,1824,1825,1826,1827,1828,1829,1830,1831,1832,1833,1834,1835,1836,1837,1838,1839,1840,1841,1842,1843,1844,1845,1846,1847,1848,1849,1850,1851,1852,1853,1854,1855,1856,1857,1858,1859,1860,1861,1862,1863,1864,1865,1866,1867,1868,1869,1870,1871,1872,1873,1874,1875,1876,1877,1878,1879,1880,1881,1882,1883,1884,1885,1886,1887,1888,1889,1890,1891,1892,1893,1894,1895,1896,1897,1898,1899,1900,1901,1902,1903,1904,1905,1906,1907,1908,1909,1910,1911,1912,1913,1914,1915,1916,1917,1918,1919,1920,1921,1922,1923,1924,1925,1926,1927,1928,1929,1930,1931,1932,1933,1934,1935,1936,1937,1938,1939,1940,1941,1942,1943,1944,1945,1946,1947,1948,1949,1950,1951,1952,1953,1954,1955,1956,1957,1958,1959,1960,1961,1962,1963,1964,1965,1966,1967,1968,1969,1970,1971,1972,1973,1974,1975,1976,1977,1978,1979,1980,1981,1982,1983,1984,1985,1986,1987,1988,1989,1990,1991,1992,1993,1994,1995,1996,1997,1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022,2023,2024,2025,2026,2027,2028,2029,2030,2031,2032,2033,2034,2035,2036,2037,2038,2039,2040,2041,2042,2043,2044,2045,2046,2047,2048,2049,2050,2051,2052,2053,2054,2055,2056,2057,2058,2059,2060,2061,2062,2063,2064,2065,2066,2067,2068,2069,2070,2071,2072,2073,2074,2075,2076,2077,2078,2079,2080,2081,2082,2083,2084,2085,2086,2087,2088,2089,2090,2091,2092,2093,2094,2095,2096,2097,2098,2099,2100,2101,2102,2103,2104,2105,2106,2107,2108,2109,2110,2111,2112,2113,2114,2115,2116,2117,2118,2119,2120,2121,2122,2123,2124,2125,2126,2127,2128,2129,2130,2131,2132,2133,2134,2135,2136,2137,2138,2139,2140,2141,2142,2143,2144,2145,2146,2147,2148,2149,2150,2151,2152,2153,2154,2155,2156,2157,2158,2159,2160,2161,2162,2163,2164,2165,2166,2167,2168,2169,2170,2171,2172,2173,2174,2175,2176,2177,2178,2179,2180,2181,2182,2183,2184,2185,2186,2187,2188,2189,2190,2191,2192,2193,2194,2195,2196,2197,2198,2199,2200,2201,2202,2203,2204,2205,2206,2207,2208,2209,2210,2211,2212,2213,2214,2215,2216,2217,2218,2219,2220,2221,2222,2223,22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80      A(2,3)=0.0
      A(2,4)=DT08*(F(2)*D04+D38F(4))
      C SECOND EQUATION IS CONTINUITY
      A(3,1)=0.0
      A(3,2)=0.0
85      A(3,3)=DC08*(F(3)+D48F(4))
      A(3,4)=DC08*(D48F(3)+D38F(4))
      C THIRD EQUATION IS TOTAL WATER
      A(4,1)=F(1)+D58F(4)
      A(4,2)=0.0
      A(4,3)=0.0
90      A(4,4)=D58F(1)+D58F(4)
      C FOURTH EQUATION IS MOMENTUM (STREAMWISE)
      E=E18(1)+E2852/FR*(D.0204+D.01448F(4))*8*(ABS(1.-R12)*8(1.-E48(F(
95      14)+F(1))/SPACE)+E38852*(1.-D-S12882))
      C E IS ENTRALMENT FUNCTION.
      FP(1)=E
      T122=T12+GAMMA
      FP(2)=-T1228528*(F(1)*8F(1)*80.5+F(1)*8F(4)*801+F(4)*8F(4)*80280.5)
      FP(2)=FP(2)+T12.8*(F(2)*8F(2)*80.5+F(2)*8F(4)*804+D38F(4)*8F(4)*80.5)*852
100     FP(3)=-C128528*(F(1)*8F(1)*8.5+F(1)*8F(4)*801+F(4)*8F(4)*8028.5)
      FP(3)=FP(3)+C128*(F(3)*8F(3)*8.5+D48F(3)*8F(4)+D38F(4)*8F(4)*8.5)*852
      FP(2)=FP(2)+VTE
      FP(3)=FP(3)+VCE
      T1(P8-98846)=11.TZ.12
105     11  FB=(E8D11+G88D18)/(FR8(P10-1.0))
      GO TO 13
      12  FB=0.0
      13  FP(4)=F8852+E8812+VUE
      J=4
110     Q=58F(1)*8F(1)+F(1)*8F(4)*805+F(4)*8F(4)*8068.5-25888E-VUE
      70  IF(DCO.EQ.0. AND DT0.EQ.0.) GO TO 10
      IF(DT0.EQ.0.) GO TO 6
      IF(DCO.EQ.0.) GO TO 20
      CALL SING(A,FP,J,K)
115     GO TO 7
      C SING SOLVES THE SYSTEM OF J LINEAR EQUATIONS FOR THE FP. A IS THE
      C COEFFICIENT OF MATRICES IN EQUATION A & FP=FP. THE INPUT FP ARE
      C DESTROYED BY SING AND REPLACED BY SOLUTION VECTOR. FP
      C
120     C INSERTIONS FOR DCO AND/OW DT0 EQ 0 PER SHIRAZI 10/6/71
      J=2
      10  A2(1,1)=A(1,1)
      A2(1,2)=A(1,4)
      A2(2,1)=A(4,1)
      A2(2,2)=A(4,4)
      FP(2)=FP(4)
      CALL SING(A2,FP,J,K)
      GO TO 7
      20  J=3
130     A3(1,1)=A(1,1)
      A3(1,2)=A3(1,2)
      A3(1,3)=A(1,4)
      A3(2,1)=A(2,1)
      A3(2,2)=A(2,2)
135     A3(2,3)=A(2,4)
      A3(3,1)=A(4,1)
      A3(3,2)=0.0
      A3(3,3)=A(4,4)
      FP(3)=FP(4)
140     CALL SING(A3,FP,J,K)
      GO TO 7
      6  J=3
145     A3(1,1)=A(1,1)
      A3(1,2)=0.0
      A3(1,3)=A(1,4)
      A3(2,1)=0.0
      A3(2,2)=A(3,3)
      A3(2,3)=A(3,4)
      A3(3,1)=A(4,1)
      A3(3,2)=0.0
      A3(3,3)=A(4,4)
      FP(2)=FP(3)
      FP(3)=FP(4)
      CALL SING(A3,FP,J,K)
155     7  IF(K) 1,2,1
      2  IF(J-3) 131,132,136
      131 FP(4)=FP(2)
      FP(3)=0.0

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160      FP(2)=0
      GO TO 136
132      IF(DCO ME 0 ) GO TO 134
      FP(4)=FP(3)
      FP(3)=0
      GO TO 136
165      134      FP(4)=FP(3)
      FP(3)=FP(2)
      FP(2)=0
136      UNX=-(C28828C18S1)
      UNY=S2882+C28828C1882
      UNZ=-(S28828S1)
      UN=SQRT(UNXBUNX+UNYBUNY+UNZBUNZ)
      IF(L-2)5,5,21
      CDP=CD8(F(4)+F(1))882/SPACE
      GO TO 8
175      21      CDP=CD8(F(4)+F(2))882/SPACE
      IF(RMERG1 GT 0 . OR RMER2 GT 0 . OR RMER3 GT 0 . ) CDP=CD8SPACE
      FD=CD8R882UN/6.2832
      FDY=0
      VY=ABS(C18C2)
      IF(VY GT 0 .)FDY=FD8(S28S2+C28C28C18C1-S18S18S28S2)/(Q8C18C2)
      FP(5)=E888C1/(Q8C2)+FDY
      FP(6)=(F88C2-(E88+FD)8S18S2)/Q
      RETURN
180      1      WRITE(6,100)
      100      FORMAT(1H0,8SINGULAR MATRIX - EXECUTION TERMINATED AT THIS PT8)
      GO TO 900
185      45      CONTINUE
      C      THE FOLLOWING ARE COEFFICIENTS FOR SINGLE PLUME, ALL CORES
      C      AND SUPERSATURATION EXTENT
190      CALL PARAME(F)
      A(1,1)=F(1)+D18F(4)
      A(1,2)=0.0
      A(1,3)=0.0
      A(1,4)=D18F(1)+D28F(4)
195      C      FIRST EQUATION IS CONTINUITY
      A(2,1)=0.0
      A(2,2)=D108(F(2)+D48F(4))
      A(2,3)=MF8(DC08F(3)+DD28F(4))
      A(2,4)=(D48F(2)+D38F(4))8D10+MF8((DD3-R8886F(4))8F(3)+(DD1-
200      18S8838.58F(4))8F(4))
      C      SECOND EQUATION IS ENERGY
      A(3,1)=0.0
      A(3,2)=0.0
      A(3,3)=DC08(F(3)+D48F(4))
      A(3,4)=DC08(D48F(3)+D38F(4))
205      C      THIRD EQUATION IS TOTAL WATER
      A(4,1)=F(1)+D58F(4)
      A(4,2)=0.0
      A(4,3)=0.0
      A(4,4)=D58F(1)+D68F(4)
210      C      FOURTH EQUATION IS MOMENTUM
      E=E18(1.+E28S2/FR)8(0.0204+0.01448F(4))8(ABS(1.-R12)8(1.-E48(F(
      14)+F(1))/SPACE)+E38R8SQRT(1.0-S12882))
      C      E IS ENTRAINMENT
      FP(1)=E
      T12Z=(T12+GAMMA+C128MF)8S2
      A(1,5)=58F(1)8F(1)+D18F(1)8F(4)+.58D28F(4)8F(4)
      FP(2)=-T1228A(1)+S28(T12)8(F(2)8F(2)+.5+F(2)8F(4)8D4+.58F(4)8D18
215      18F(4)8D3)-MF8S28T128(F(4)8F(3)8S5+F(4)8F(4)8.5882)+MF8(F(3)8F(3)8
      2.58828(RMUST12+ALT/T10)8S2-848F(4)8F(3)-818F(4)8F(4)8.5)
      FP(2)=FP(2)+VTE
      FP(3)=-(128S28(A(1)-F(3)8F(3)8.5+D48F(3)8F(4)+D38F(4)8F(4)8.5)
      FP(3)=FP(3)+VCE
      IF(FR-.98E+6)36,37,37
225      36      FB=(8E8D11+G88D12+DEL8D13)/(FR8(P10-1.))
      GO TO 38
      37      FB=0.
      38      FP(4)=FB8S2+ERR12+VUE
      J=4
230      Q=.58F(1)8F(1)+F(1)8F(4)8D5+F(4)8F(4)8D68.5-.258E8E-VUE
      CALL STAG(A,FP,J,K)
      IF(K)1,136,1
      35      CONTINUE
      C      MERGING WITHIN THE ZONE OF FLOW ESTABLISHMENT COMMENCES HERE
235      P1E2=1.570796327
      RMERG1=RMERG1-SPACE/2.+F(1)
      RMERG2=RMERG2-SPACE/2.+F(2)

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320  RA1=R128.58F(4)8F(4)8T1201+(1.-R12)8(F(1)8F(1)8.58PIE2+
    1F(4)8F(4)8T11011)
    FP(3)=C128528(-RA1+F(3)8F(3)8.58PIE2+F(4)8F(4)8(R128T11013
    1+(1.-R12)8T11022))VTE
    Q=R128R128F(4)8F(4)8.58T1201+2.8R128(1.-R12)8(F(1)8828.58PIE2
    1+F(4)8F(4)8T11011)+(1.-R12)8828(F(1)8828.58PIE2+F(4)882
    28T11021)-E8E8.25-VVE
    T122=Q.T12+GAMMA
    325  FP(2)=T1228RA1+MF8C128528(F(3)8F(3)8PIE28.5+F(4)8F(4)8(R128
    1+F(4)8F(4)8T11011)852+T12.8528(58PIE28F(2)8F(2)+F(4)8F(4)
    28(1.-R12)8T11022+R128T11012))+VTE
    IF(F8-98E+6) 460.470.470
    330  460  FB=(E88D08(F(2)8828.58PIE2+F(4)8F(4)8T11012)+G88D08(F(3)8F(3)
    18.58PIE2+F(4)8F(4)8T11013))/(FR8(P10-1.))
    GO TO 480
    470  FB=0.
    480  FP(4)=E8R12+F8852+VUE
    J=4
    335  IF(RS.LE.0) GO TO 70
    IF(INDIC-2) 56.57.58
    C THE FOLLOWING ADJUSTS THE ENERGY EQUATION, AND ESTABLISHES "FB"
    C FOR USE IN FP(4). FPE, AND FPG. FP(2) IS ALSO SPECIFIED.
    340  56  A(2,3)=MF8(R128(DC08(PIE28F(3)+TJJ48F(4)))+(1.-PHI)8PIE28SATU
    1885+SATUR(TJJ48F(4)))+(1.-R12)8(DC08(PIE28F(3)+F(4)8TJJ48F(4))
    2+(1.-PHI)8SATUR(TJJ48F(4))+SATUR8F(4)8TJJ48F(4))
    A(2,4)=A(2,3)+MF8(R128(DC08TJJ48F(4)+SATUR(T1105+TJJ58)
    18F(4)))+(1.-R12)8(DC08TJJ68+SATUR((1.-PHI)8TJJ488+2.8T1107+
    2TJJ78))8F(4))
    345  T120=(T12+GAMMA+C128MF)852
    FP(2)=T1208RA1+MF8C128528(F(3)8F(3)8PIE28.5+F(4)8F(4)8(R128
    T1103+(1.-R12)8T1106))-MF8F(4)8F(4)8(AMUST12+ALT/T10)8SATUR82
    28(R128((1.-PHI)8.58T1109+T1105)+(1.-R12)8((1.-PHI)8T1172+
    3T1107))-T12)8528AMUSTSATUR(1.+2.8D0T/(T10+T1282))8
    350  4(R128TJJ58+(1.-R12)8TJJ78)+(T12.8528(F(2)8F(2)8PIE2
    58.5+F(4)8F(4)8(R128T11012+(1.-R12)8T11022))+VTE
    IF(F8-98E+6) 66.67.67
    66  FB=(E88D08(F(2)8F(2)8PIE28.5+F(4)8F(4)8T11012)+G88T1125
    1+DELST1126)/(FR8(P10-1.))
    GO TO 68
    355  67  FB=0.
    68  FP(4)=F8852+E8R12+VUE
    J=4
    CALL SING(A,FP,J,K)
    IF(K) 1.136.1
    360  57  A(2,3)=MF8(R128(DC08(F(4)8TJJ88+F(3)8PIE28)+F(4)8SATUR((1.-PHI)
    18TJJ98.5+TJJ108)))+(1.-R12)8(DC08(F(3)8PIE28+F(4)8TJJ118)+
    2SATUR8F(4)8((1.-PHI)8TJJ128+TJJ138))
    A(2,4)=A(2,3)+MF8(R128(DC08F(4)8TJJ188+SATUR(F(4)8((1.-PHI)8(
    3T1109+58TJJ98+2.8T1110+TJJ108)))+(1.-R12)8F(4)8(DC08TJJ18
    2+SATUR((1.-PHI)8(2.8T1112+TJJ128)+2.8T1113+TJJ138)))
    365  T120=(T12+GAMMA+C128MF)852
    FP(2)=T1208RA1+MF8C128528(F(3)8F(3)8PIE28.5+F(4)8F(4)8(R128
    T1108+(1.-R12)8T1111))-MF8F(4)8F(4)8(AMUST12+ALT/T10)8SATUR82
    370  28(R128((1.-PHI)8.58T1109+T1110)+(1.-R12)8((1.-PHI)8T1112+T1113)
    3)-(T12)8528AMUSTSATUR(1.+2.8D0T/(T10+T1282))8(R128TJJ10
    4+(1.-R12)8TJJ138)+(T12.8528(F(2)8F(2)8PIE28.5+F(4)8F(4)
    58(R128T11012+(1.-R12)8T11022))+VTE
    IF(F8-98E+6) 76.77.77
    375  76  FB=(E88D08(F(2)8F(2)8PIE28.5+F(4)8F(4)8T11012)+G88 T1127
    1+DELST1128)/(FR8(P10-1.))
    GO TO 78
    77  FB=0.0
    78  FP(4)=F8852+E8R12+VUE
    J=4
    CALL SING(A,FP,J,K)
    IF(K) 1.136.1
    380  58  A(2,3)=MF8(R128(DC08(F(3)8PIE28+F(4)8TJJ148)+F(4)8SATUR((1.-PHI)
    18.58TJJ158+TJJ168)))+(1.-R12)8(DC08(F(3)8PIE28+F(4)8TJJ178)+
    2F(4)8SATUR((1.-PHI)8TJJ188+TJJ198))
    A(2,4)=A(2,3)+MF8F(4)8(R128(DC08TJJ148+SATUR((1.-PHI)8T1115
    1+TJJ158.5)+2.8T1116+TJJ168)))+(1.-R12)8(DC08TJJ178+
    2SATUR((1.-PHI)8(2.8T1118+TJJ188)+2.8T1119+TJJ198)))
    385  T120=(T12+GAMMA+C128MF)852
    T122=T1282
    390  FP(2)=T1208RA1+MF8C128528(F(3)8F(3)8PIE28.5+F(4)8F(4)8(R128
    T1114+(1.-R12)8T1117))-MF8F(4)8F(4)8(AMUST12+ALT/T10)8SATUR82
    28(R128((1.-PHI)8.58T1115+T1116)+(1.-R12)8((1.-PHI)8T1118+T1119
    3))-T128528AMUSTSATUR(1.+2.8D0T/(T10+T1282))8(R128TJJ16+
    4(1.-R12)8TJJ198))+T1228(F(2)8F(2)8PIE28.5+F(4)8F(4)8(R128

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      ST11012+(1.-R12)ST11022))+VTE
      IF (FR-98E+6) 86,87,87
86  FB=(DEADTOST(F(2)SF(2)S.58PIE2+F(4)SF(4)ST11012)+GAST1129+
      DELST1130)/(FR8(P10-1.))
      GO TO 88
87  FB=0.
88  FP(4)=FB8S2+E8R12+VUE
      J=4
      CALL SING(A,FP,J,K)
405  IF (K) 1,136,1
      C NOW INCLUDE "MERGED" ALONG TOWER LINE. BUT POTENTIAL CORE STILL
      C IN DIRECTION NORMAL TO TOWER LINE.
85  CONTINUE
      CALL SATEXT(RS,F)
410  CALL SATXN(RS,F)
      CALL PARAN1(F,INDIC)
      IF (RS.GT.0) GO TO 76
99  A(1,1)=F(4)S(R12STJ20R18.5+(1.-R12)S(SPACE/(2.SF(4))+TJ21R1))
      A(1,2)=A(1,3)=0.0
415  A(1,4)=F(4)S(R12S(TI201+.58TJ20R1)+(1.-R12)S(2.STI211+TJ21R1))
      C CONTINUITY
      A(2,1)=A(2,3)=A(3,1)=A(3,2)=A(4,2)=A(4,3)=0.0
      A(2,2)=DOTSF(4)S(R12STJJ20R2+(1.-R12)STJJ21R2)
420  A(2,4)=DOTSF(4)S(R12STJJ20R2+(1.-R12)STJJ21R2)
      A(3,3)=DOTSF(4)S(R12STJJ20R3+(1.-R12)STJJ21R3)
      A(3,4)=DOTSF(4)S(R12STJJ20R3+(1.-R12)STJJ21R3)
      A(4,1)=((1.-R12)882.STJJ21R1+2.S(1.-R12)8R12STJJ20R1+R128R128.5
      18TJ20R1)SF(4)
425  A(4,4)=F(4)S((1.-R12)882STJJ21R1+2.S(1.-R12)8R12STJJ20R1+R12
      18R128(TI201+TJ20R18.5))
      FP(1)=E
      TI22=(TI2+GAMMA)8S2
      PH(2)=TI22S(R12STJ20R18.5+Y(1.-R12)S(TI211+TJ21R1)SF(4)SF(4)-Y(22SF(1)
      18(1.-R12)8SPACES.5+TI2.SF(4)SF(4)S(R12STI1312+(1.-R12)STI1322)
430  FP(3)=CI28S28F(4)SF(4)S(R12S(TI1313-TI20R18.5)+(1.8R12)S(TI1323
      1-TI211))-CI28S28F(1)S.58SPACE+VCE
      FP(2)=FP(2)+VUE
      IF (FR-98E+6) 96,97,97
96  FB=(DEADTOSTI1312+GASTI13138DCO)SF(4)SF(4)/(FR8(P10-1.))
435  GO TO 98
97  FB=0.0
98  FP(4)=FB8S2+E8R12+VUE
      J=4
      A(4)SF(4)S((1.-R12)882.STI1321+2.S(1.-R12)8R12STI1311+R12
440  18R128.58TJ201)-EVEN.28-VUE
      GO TO 70
75  IF (INDIC.NE.3) GO TO 99
      A(1,1)=F(4)S(R12STJ20R18.5+(1.-R12)S(SPACE5/F(4)STJ21R1))
      A(1,4)=F(4)S(R12S(TI201+.58TJ20R1)+(1.-R12)S(2.STI211+TJ21R1))
445  A(1,2)=A(1,3)=A(2,1)=A(3,1)=A(3,2)=A(4,2)=A(4,3)=0.0
      A(2,2)=DOTSF(4)S(R12STJJ20R2+(1.-R12)STJJ21R2)
      A(2,3)=MFSF(4)S(R12SDCOSTJJ24R+SATUR((1.-PHI)STJJ25R+TJJ26R))
      14(1.-R12)SDCOSTJJ22R+SATUR((1.-PHI)STJJ24R+TJJ23R))
      A(2,4)=DOTSF(4)S(R12STJJ20R2+(1.-R12)STJJ21R2)
450  1+MFSF(4)S(R12SDCOSTJJ24R+SATUR((1.-PHI)STJJ25R+2.STI137
      2+TJJ26R)))+(1.-R12)SDCOSTJJ22R+SATUR((1.-PHI)S(2.STI481+
      3TJJ26R))+2.STI134+TJJ23R))
      A(3,3)=DCOSF(4)S(R12STJJ20R3+(1.-R12)STJJ21R3)
      A(3,4)=DCOSF(4)S(R12STJJ20R3+(1.-R12)STJJ21R3)
455  A(4,1)=F(4)S((1.-R12)882.STJJ21R1+2.S(1.-R12)8R12STJ20R1+R12
      18R128TJ20R1)
      A(4,4)=F(4)S((1.-R12)882STJJ21R1+2.S(1.-R12)8R12STJ20R1+R12
      18R128(TI201+.58TJ20R1))
      FP(1)=E
      FP(3)=CI28S28F(4)SF(4)S(R12S(TI1313-TI20R18.5)+Y(1.-R12)S
      1(TI1323-TI211))-CI28F(1)S.58SPACE8S2+VCE
      TI20=(TI2+GAMMA+CI28MF)8S2
      TI22=TI28S2
      FP(2)=TI20SF(4)SF(4)S(R12S.58TJ201+(1.-R12)S(TI211+.58SPACE
465  18F(1)/F(4)/F(4)))+MFS(4)CI28S28F(4)SF(4)S(R12STI135+(1.-R12)S
      2TI133)-MFS(4)RMUSTI28LT/TIO)8SATUR8S28(R128((1.-PHI)STI136+
      3TI137)+(1.-R12)8(1.-PHI)STI481+TI134))-TI28S28SATUR8MUS(1.+
      42.80T0/(TIO+TI282))S(R12STJJ26R+Y(1.-R12)STJJ2378F(4)SF(4))+VTE
      5+YI228F(4)SF(4)S(R12STI1312+(1.-R12)STI1322)
      IF (FR-98E+6) 106,107,107
470  106 FB=(DEADTOSTI1312+GASTI1313+DELSTI138)SF(4)SF(4)/(FR8(P10-1.))
      GO TO 108
      107 FB=0.0
      108 FP(4)=FB8S2+E8R12+VUE
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475      J=4
      Q=F(4)*8F(4)*8((1.-R12)*82.8T11321+2.8(1.-R12)*8R128T11311+R12
      18R128.58T1201)-E8E8.25-VVE
      CALL SING(A,FP,J,K)
      IF(K) 1,136,1
480      C      ABOVE PART ACCOUNTS FOR ZONE OF FLOW ESTABLISHMENT FOR BOTH
      C      SINGLE AND MERGING PLUMES WITH AND WITHOUT MOISTURE. ALL PROPERTY
      C      DEPENDENT VARIABLES, VELOCITY, TEMP, TOTAL MOISTURE ARE POTENTIAL
      C      CORE PARAMETERS. THE NEXT SECTION HANDLES COMPLETION OF TEMP/MOIS
      C      CORES.
485      26  RHERG1=F(1)+F(4)-SPACER.5
      RHERG2 = F(4)-SPACER.5
      RHERG3 = F(4)-SPACER.5
      DCO = F(3)
      DTO = F(2)
490      IF(2FENN.GT.1.) GO TO 351
      IF(RHERG1.GT.0.) GO TO 105
351      CONTINUE
      E=E18(1.+E28S2/FR)*8(.0204+.01448F(4))*8(ABS(1.-R12)*8(1.-E48
      1(F(4)+F(1))/SPACE)+E3885SQRT(1.0-S12882.))
495      CALL SATXN(RS,F)
      CALL PARME(F)
      Q=F(1)*8F(1)*8.5+D58F(1)*8F(4)+D68.58F(4)*8F(4)-.25*E8E-VVE
      R1=F(1)*8F(1)*8.5+D18F(1)*8F(4)+D28.58F(4)*8F(4)
      IF(RS.GT.0.) GO TO 115
500      A(1,1)=F(1)+D18F(4)
      A(1,4)=D18F(1)+D28F(4)
      A(1,2)=A(1,3)=A(2,1)=A(2,3)=A(3,1)=A(3,2)=A(4,2)=A(4,3)=0.0
      A(2,2)=D38.58F(4)*8F(4)
      A(2,4)=F(2)+D38F(4)
505      A(3,3)=D38.58F(4)*8F(4)
      A(3,4)=D38F(4)*8F(3)
      A(4,1)=F(1)+F(4)*8D5
      A(4,4)=F(1)*8D5+F(4)*8D6
      FP(1)=E
510      T122=(T12+GAMMA)*8S2
      FP(2)=-T1228ANT+VUE
      FP(3)=-C128S28AA1+VCE
      IF(FR-.98E+6) 116,117,117
      116  FR=(E8F(2)+GARF(3))*8.58F(4)*8F(4)*8D31/(FR8(P10-1.))
515      GO TO 118
      117  FB=0.0
      118  FP(4)=FB8S2+E8R12+VUE
      J=4
      GO TO 70
520      115  A(1,1)=F(1)+D18F(4)
      A(1,4)=F(1)*8D1+D28F(4)
      A(2,2)=F(4)*8F(4)*8.58(D3+WF889)
      A(2,3)=F(4)*8F(4)*8F(4)*8.58(D3+WF889)
525      A(2,4)=F(2)*8F(4)*8D3+WF8(DD1*8F(4)-.58RS8D10)
      A(3,3)=F(4)*8F(4)*8.58D3
      A(3,4)=F(4)*8F(3)*8D3
      A(4,1)=F(1)+F(4)*8D5
      A(4,4)=F(1)*8D5+F(4)*8D6
      A(1,2)=A(1,3)=A(2,1)=A(3,1)=A(3,2)=A(4,2)=A(4,3)=0.0
530      FP(1)=E
      FP(3)=-C128S28ANT+VCE
      FP(2)=- (T12+GAMMA+C128MF)*8S28AA1-WF8F(4)*8F(4)*8.58(D7+88
      18T128S2)+VUE
      IF(FR-.98E+6) 126,127,127
535      126  FR=F(4)*8F(4)*8.58(8E8F(2)*8D31+GW8DD3C+DEL8DD7)/(FR8(P10-1.))
      GO TO 128
      127  FB=0.
      128  FP(4)=FB8S2+E8R12+VUE
      J=4
540      CALL SING(A,FP,J,K)
      IF(K) 1,136,1
      105  RHERG1=RHERG1-SPACER.5+F(1)
      E=E18(1.+E28S2/FR)*8(.0204+.01448F(4))*8(ABS(1.-R12)*8(1.-E48.5)
      18(1.-.636619778ACOS(SPACE8.5/(F(4)+F(1))))+E3885SQRT(1.-S12882.
      2)*8(.0204+.01448.58SPACE-F(1)))
545      IF(RHERG1.GT.0.) GO TO 125
      CALL SATXN(RS,F)
      CALL PARME(RS,F)
      CALL PARM3(F,INDIC)
550      Q=F(1)*8F(1)*8F(4)*8.58(2.8R128(1.-R12)+(1.-R12)*82.8)+F(4)*8F(4)
      18(1.-R12)*82.8T11321+2.8R128(1.-R12)*8T11311+.58R128R128T1201)
      2-.25*E8E-VVE
      A(1,1)=.58F(4)*8R128T1201+(1.-R12)*8(F(4)*8T11311+F(1)*8P1E2)

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555      A(1,4)=F(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(TJJ101+TJ1011))
      A(2,2)=F(4)*R(4)*R(128*(TJ1140+(1.-R(12)*R(TJJ139))
      A(2,4)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      A(1,3)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      A(3,4)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      A(4,1)=R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
156      18F(4))+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      A(4,3)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      1TJJ101+(1.-R(12)*R(TJJ27))
      A(1,2)=A(1,3)=A(2,1)=A(2,3)=A(3,1)=A(3,2)=A(4,2)=A(4,3)=0.0
      FP(1)=E
565      A(1,2)=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      18F(4))+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      FP(3)=-C128528RAI+VCE
      FP(2)=-C128528RAI+VTE
      IF(FR-.98E+6) 156,157,157
570      146 FB=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      GO TO 148
      147 FB=0.0
      148 FP(4)=ERR12+FB852+VUE
      J=4
575      IF(AS.LE.0.) GO TO 70
      IF(INDIC-2) 156,157,158
      C NOW CHANGE R(12) TO R(13)
      156 A(2,2)=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(TJJ101+TJ1011))
      A(2,3)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      A(2,4)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      1+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      28F(4))
      T120=(T12+MF(C12+GAMMA)*S2
      FP(2)=-T120RAI-MF(C12+GAMMA)*S2
      1(T1142+(1.-PHI)*R(TJJ36)+(1.-R(12)*R(TJJ36))
      2(T1142+(1.-PHI)*R(TJJ36)+(1.-R(12)*R(TJJ36))
      3TJJ36)+VTE
      IF(FR-.98E+6) 156,157,157
585      166 FB=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      GO TO 168
      167 FB=0.0
      168 FP(4)=ERR12+FB852+VUE
      J=4
      CALL SING(R,FP,J,K)
595      IF(K) 1,136,1
      157 A(2,2)=A(2,2)+MF(F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(TJJ101+TJ1011))
      A(2,3)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      A(2,4)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      1+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      28F(4))
      T120=(T12+MF(C12+GAMMA)*S2
      FP(2)=-T120RAI-MF(C12+GAMMA)*S2
      1(T1142+(1.-PHI)*R(TJJ36)+(1.-R(12)*R(TJJ36))
      2(T1142+(1.-PHI)*R(TJJ36)+(1.-R(12)*R(TJJ36))
      3TJJ36)+VTE
      IF(FR-.98E+6) 156,157,157
600      176 FB=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      GO TO 178
      177 FB=0.0
      178 FP(4)=ERR12+FB852+VUE
      J=4
      CALL SING(R,FP,J,K)
610      IF(K) 1,136,1
      158 A(2,2)=A(2,2)+MF(F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(TJJ101+TJ1011))
      A(2,3)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      A(2,4)=F(4)*R(4)*R(128*(TJJ22+(1.-R(12)*R(TJJ27))
      1+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      28F(4))
      T120=(T12+MF(C12+GAMMA)*S2
      FP(2)=-T120RAI-MF(C12+GAMMA)*S2
      1(T1142+(1.-PHI)*R(TJJ36)+(1.-R(12)*R(TJJ36))
      2(T1142+(1.-PHI)*R(TJJ36)+(1.-R(12)*R(TJJ36))
      3TJJ36)+VTE
      IF(FR-.98E+6) 156,157,157
615      186 FB=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      GO TO 188
      187 FB=0.0
      188 FP(4)=ERR12+FB852+VUE
      J=4
      CALL SING(R,FP,J,K)
620      IF(K) 1,136,1
      125 CALL SATEXT(RS,F)
      CALL SATEXT(RS,F)
      CALL PARAM3(F,INDIC)
      Q=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      18F(4))+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      186 FB=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      GO TO 188
      187 FB=0.0
      188 FP(4)=ERR12+FB852+VUE
      J=4
      CALL SING(R,FP,J,K)
625      IF(K) 1,136,1
      125 CALL SATEXT(RS,F)
      CALL SATEXT(RS,F)
      CALL PARAM3(F,INDIC)
      Q=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      18F(4))+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      186 FB=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      GO TO 188
      187 FB=0.0
      188 FP(4)=ERR12+FB852+VUE
      J=4
      CALL SING(R,FP,J,K)
630      IF(K) 1,136,1
      125 CALL SATEXT(RS,F)
      CALL SATEXT(RS,F)
      CALL PARAM3(F,INDIC)
      Q=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      18F(4))+(1.-R(12)*R(PIE28F(1)+TJJ1R1F(4))
      186 FB=F(4)*R(4)*R(128*(TJ20018.5+TJ201)+(1.-R(12)*R(PIE28F(1)+TJJ1R1
      GO TO 188
      187 FB=0.0
      188 FP(4)=ERR12+FB852+VUE
      J=4
      CALL SING(R,FP,J,K)
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MOD17	19
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MOD18	3
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MOD1	20
DECKN	677
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MOD18	20
MOD18	20


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      FP(3)=-C128528RA1+C128528(F(1)8D14+R128(F(3)8F(3)8.5+.458F(4)
      18F(3)+D318.58F(4)8F(4)))=VCE
      IF(FR-98E+5) 216,217,217
216  FR=(DE3011+8880121)/(FR8(PI0-1.))
      IF(LL.NE.-1) GO TO 218
      FS=(D318.58F(4)8F(4)8F(3)8GA+BE8D11)/(FR8(PI0-1.))
      GO TO 218
217  FS=0.0
218  FP(4)=FR852+EBR12+VUE
      IF(LL.NE.-1) GO TO 219
      A(3.1)=-13358(F(4)8F(4)8F(3)8.5)
      A(3.1)=F(4)8F(4)8.581-13358F(1)+D318A12
      A(3.4)=F(3)8F(4)8.13358F(1)+D318A12
      FP(3)=-528C128RA1+VCI
219  CONTINUE
      J=4
      IF(NS.LE.0.) GO TO 70
      A(2.1)=A(2.1)+MF8(DC08F(3)8F(3)8.5+F(4)8F(4)8.58D12+F(4)8F(3)
      18D16)
      A(2.1)=MF8(F(1)8DC08F(3)+DD18F(4))
      A(2.4)=A(2.4)+MF8(DD108F(4)+DD118F(3)-.58R58B14-R58F(4)8B18
      1/F(4))
      FP(2)=-((122+C128MF852+8RA1+T128528(F(1)8D15+R128(F(2)8F(2)8.5
      1+.588F(2)8F(4)+.58D18F(4)8F(4)))=MF8T128528F(4)8(.58F(4)8A13
      2+F(3)8B17)+MF8(F(1)8F(3)8F(3)8.58SATU8528(RHUST12+ALT)/T10
      3)-F(4)8(.58F(4)8B11+F(3)8B15))+VTE
      IF(FR-98E+6) 226,227,227
226  FR=(BE8D11+888012+DE18013)/(FR8(PI0-1.))
      IF(LL.NE.-1) GO TO 228
      DD3=F(3)8D17+SATU8((1.-PHI)8RS8RS/F(4)/F(4)+D20)
      DD7=F(3)8D7-SATU8((1.-PHI)8RS8RS/F(4)/F(4)+D20)
      FR=(BE8D11+.58F(4)8F(4)8(GA8DD3+DE18DD7))/(FR8(PI0-1.))
      GO TO 228
227  FR=0.0
228  FP(4)=FR852+EBR12+VUE
      IF(LL.NE.-1) GO TO 229
      A(2.1)=A(2.1)+F(4)8F(4)8.58MF8(((1.-PHI)8D7+D19)8SATU+F(3)8D15
      1)
      A(2.2)=A(2.1)+.58F(4)8F(4)8MF8SATU8(F(1)8D23+R128D24)
      A(2.3)=MF8.58F(4)8F(4)8(F(1)8D15+R128D17)
      DD3=F(3)8D17+SATU8((1.-PHI)8RS8RS/F(4)/F(4)+D20)
      DD12=F(1)8(F(3)8D15+SATU8((1.-PHI)8D7+D19)+R128DD3
      A(2.4)=A(2.4)+.58F(4)8MF8(F(1)8F(3)8D34-SATU8((1.-PHI)8D33+D69))8
      185/F(4)+R128(F(3)8D33-SATU8((1.-PHI)8D7+D19)8RS/F(4)+D61)8RS/F(4)+MF8
      21(F4)8D012
      FP(2)=FP(2)-MF8C128528F(4)8F(4)8.58(F(1)8D31+R12)-MF8.58F(4)8
      18F(4)8SATU8528(RHUST12+ALT)/T108(F(1)8((1.-PHI)8D7+D19)+R128
      2((1.-PHI)8RS8RS/F(4)/F(4)+D20))-RHUST12/T182.8(F(1)8D34+R128D35))
229  CONTINUE
      J=4
      CALL SING(A,FP,J,K)
      IF(K) 1,138,1
210  RMERG11=RMERG1-SPACES.5
      RMERG22=RMERG2-SPACES.5+F(2)
      RMERG33=RMERG3-SPACES.5+F(3)
      IF(LL.EQ.-1) RMERG33=RMERG33-F(3)
      E=E18(1)+E28527*PI*F(1)8D20+.0144*F(4)8RUST1-W121*F(1)-E48.5)
      18(1)-.636619778ACOS(SPACES.5/(F(4)8F(2))) +E38R8SORT(1.-S128S12)
      28(.020+.01448(.58SPACE-F(2)))
      IF(RMERG22.GT.0.AND.RMERG33.GT.0.) GO TO 230
      CALL SATENY(RS,F)
      CALL SATENM(RS,F)
      CALL PARAN3(F,INDIC)
      Q=F(4)8F(4)8(F(1)8T1139+2.8R128F(1)8T1140+R128R128.58T13
      1)-288EVE-VUE
      RAI=F(4)8F(4)8(R128.58T13+F(1)8T1140)
      A(1.1)=F(4)8F(4)8T1140
      A(1.4)=F(1)8T1128+R128(T13+.58T13)8F(4)
      A(2.1)=DC08F(2)8F(2)8.58F(2)+F(4)8F(4)8T11022)
      A(2.2)=(R128(PIE28F(2)+TJJ1R28F(4))+F(1)8(PIE28F(2)+TJJ2R28F(4)
      1)8D10
      A(2.4)=DT08F(4)8(R128TJJ182+F(1)8(2.8T11022+TJJ282))
      A(3.1)=DC08F(3)8F(3)8PIE28.54F(4)8F(4)8T11023)
      A(3.3)=DC08(R128(PIE28F(3)+F(4)8TJJ1R3)+F(1)8(PIE28F(3)+F(4)8
      1TJJ2R3))
      A(3.4)=DC08F(4)8(R128TJJ183+F(1)8(2.8T1110+TJJ283))
      A(4.1)=F(4)8F(4)8(2.8F(1)8T1139+2.8T128T1140)
      A(4.4)=F(4)8F(4)8(F(1)8F(1)8TJJ27+2.8R128F(1)8TJJ28+R128R128(T13+
      1TJJ38.5))

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      DECK4 688
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      DECK4 690
      MOD18 22
      MOD18 23
      DECK4 691
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      MOD18 24
      MOD18 25
      MOD18 26
      MOD18 27
      MOD18 28
      MOD18 29
      DECK4 694
      DECK4 695
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      DECK4 698
      DECK4 699
      DECK4 700
      MOD18 30
      DECK4 702
      DECK4 703
      DECK4 704
      DECK4 705
      DECK4 706
      MOD18 31
      MOD18 32
      MOD18 33
      MOD18 34
      DECK4 707
      DECK4 708
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      MOD18 41
      MOD18 42
      MOD18 43
      MOD18 44
      MOD18 45
      MOD18 46
      MOD18 47
      MOD18 48
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      DECK4 711
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      DECK4 714
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      MOD18 49
      DECK4 720
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      DECK4 728
      DECK4 729
      DECK4 730
      DECK4 731
      DECK4 732
      DECK4 733
      DECK4 734
      DECK4 735
      DECK4 736
      DECK4 737
      DECK4 738

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      A(1,2)=A(1,3)=A(2,3)=A(3,2)=A(4,2)=A(4,3)=0.0
      FP(1)=E
      FP(3)=-C1Z8S28AA1+C1Z8S28(F(1)*F(3)*F(3)*58PIE2+F(4)*F(4)*
795  1T11027)/A(128*(F(3)*F(3)*8PIE28.5+F(4)*F(4)*8T11012)+VUE
      T122=(T12+GAMMA)*S2
      FP(2)=T128S28 ( F(1)*F(2)*8PIE28.5+F(4)*F(4)*8T11022)
      1+R128(F(2)*8PIE28.5+F(4)*F(4)*8T11012)+VTE-T128AA1
      IF (FR- 98E+6) 236, 237, 237
      236 FB=(BEADTOR(F(2)*8PIE28.5+F(4)*F(4)*8T11012)+GARDCOS(F(3)*
800  1F(3)*8PIE28.5+F(4)*F(4)*8T11013))/(FR*(PI0-1.))
      IF (LL.NE.-1) GO TO 238
      FB=(BEADTOR(F(2)*8PIE28.5+F(4)*F(4)*8T11012)+GARD(F(3)*F(4)*
      1F(4)*8T11140))/(FR*(PI0-1.))
      GO TO 238
805  237 FB=0.0
      238 FP(4)=FBS2+ERR12+VUE
      IF (LL.NE.-1) GO TO 239
      A(3,1)=F(4)*F(4)*8T11398F(3)
      A(3,3)=F(4)*F(4)*F(1)*8T1139+R128T1140)
810  A(3,4)=F(4)*F(3)*F(1)*8T1127+R128T1128)
      FP(3)=-528C128AA1+VCI
      239 CONTINUE
      J=4
      IF (RS.LE.0) GO TO 20
      IF (INDIC-2) 246, 7, 246
815  246 A(2,1)=A(2,1)+MF*(DCOS(F(3)*8PIE28.5+F(4)*F(4)*8T1106)
      1+SATURF(4)*F(4)*((1.-PHI)*8T1172+T1107))
      A(2,3)=MF*(R128(DCOS(PIE28F(3)+T1148F(4)))+SATURF(4)*((1.-PHI)
      18S8PIE27*(4)+T1136)))+F(1)*(DCOS(PIE28F(3)+F(4)*8T1136)+
820  2SATURF(4)*((1.-PHI)*8T1148+T1137))
      A(2,4)=A(2,4)+MF*(R128F(4)*(DCOSTJJ48+SATUR(T1105+T1158)))+
      1F(1)*F(4)*(DCOSTJJ48+SATUR((1.-PHI)*8T1148+T1107+T1137)))
      FP(2)=FP(2)-MF*(C1Z8S28AA1+MF*(C1Z8S28(F(1)*F(3)*8
825  1F(3)*8PIE28.5+F(4)*F(4)*8T1106)+R128(F(3)*8PIE28.5+F(4)
      28F(4)*8T1103))-MF*(SATURF(4)*F(4)*8S28*(RHUST12+ALT/T10)*R12
      38((1.-PHI)*8.58T1104+T1105)+F(1)*8((1.-PHI)*8T1172+T1107))-
      4RHUST128*(1+2.8D07*(T10+T1282)))*8(R128TJJ5+F(1)*8TJJ7))
      IF (FR- 98E+6) 256, 257, 257
      256 FB=(BEADTOR(F(4)*F(4)*8T11012+F(2)*F(2)*8PIE28.5)+GART1125+DEL*
830  1T1126)/(FR*(PI0-1.))
      IF (LL.NE.-1) GO TO 258
      FB=(BEADTOR(F(4)*F(4)*8T11012+F(2)*F(2)*8PIE28.5)+F(4)*F(4)*8(GAR
      1T1159+DEL8T1160))/(FR*(PI0-1.))
835  8172 IF (LL.NE.-1) GO TO 259
      A(2,1)=A(2,1)+F(4)*F(4)*8MF*(F(3)*8T1150+SATUR((1.-PHI)*8T1152+T1151)
      1)
      A(2,2)=A(2,2)+MF*(F(4)*F(4)*8RHUSTSATUR(R128TJJ30+F(1)*8TJJ36)
      A(2,3)=F(4)*F(4)*8MF*(R128T1141+F(1)*8T1150)
840  A(2,4)=A(2,4)+MF*(F(4)*F(4)*8(R128(F(3)*8TJJ29+SATUR(2.8T1142+TJJ30)
      1)+F(1)*8(F(3)*8TJJ35+SATUR((1.-PHI)*8TJJ37+2.8T1151+TJJ36)))
      FP(2)=FP(2)-MF*(C1Z8S28AA1+MF*(F(4)*F(4)*8SATUR8S28*(RHUST12+ALT/T10)
      18(R128(T1142+(1.-PHI)*8T1143)+F(1)*8T1151+(1.-PHI)*8T1152))-RHUST1282.
      28D07/T18(R128TJJ30+F(1)*8TJJ36))
845  259 CONTINUE
      GO TO 258
      257 FB=0.0
      258 FP(4)=ERR12+FB*S2+VUE
      J=4
850  CALL SIMQ(A,FP,J,K)
      IF (K) 1, 136, 1
      247 A(2,1)=A(2,1)+MF*(DCOS(F(3)*8PIE28.5+F(4)*F(4)*8T1111)+
      1SATURF(4)*F(4)*((1.-PHI)*8T1112+T1113))
      A(2,3)=MF*(R128(DCOS(F(3)*8PIE28.5+F(4)*F(4)*8T1138)+SATURF(4)*((1.-
855  1PHI)*8.58T1139+T1137)))+F(1)*(DCOS(PIE28F(3)+F(4)*8T1137)+
      2SATURF(4)*((1.-PHI)*8T1138+T1139))
      A(2,4)=A(2,4)+MF*(F(4)*F(4)*8(R128(DCOSTJJ8+SATUR(2.8T1110+TJJ108
      1+(1.-PHI)*8T1109+TJJ98.5)))+F(1)*(DCOSTJJ18+SATUR((1.-
      2PHI)*8T1112+TJJ128)+2.8T1113+TJJ137))
860  FP(2)=FP(2)-MF*(C1Z8S28AA1+MF*(C1Z8S28(F(1)*F(3)*8PIE2
      1+F(4)*F(4)*8T1111)+R128(F(3)*8PIE28.5+F(4)*F(4)*8T1108))
      2-MF*(SATUR8S28F(4)*F(4)*8*(RHUST12+ALT/T10)*8(R128(T1110+(1.-PHI)
      38.58T1109)+F(1)*8T1112+(1.-PHI)*8T1113))-RHUST128*(1+2.8D07/
      4(T10+T1282))*8(R128TJJ10+F(1)*8TJJ13))
      IF (FR- 98E+6) 266, 267, 267
865  266 FB=(BEADTOR(F(2)*8PIE28.5+F(4)*F(4)*8T11012)+GART1127+DEL
      18T1128)/(FR*(PI0-1.))
      IF (LL.NE.-1) GO TO 268
      FB=(BEADTOR(F(4)*F(4)*8T11012+F(2)*F(2)*8PIE28.5)+F(4)*F(4)*8(GAR
      MOD18 739
      DECK4 740
      DECK4 741
      DECK4 742
      DECK4 743
      MOD18 50
      MOD18 51
      DECK4 744
      DECK4 747
      DECK4 748
      MOD18 52
      MOD18 53
      MOD18 54
      DECK4 749
      DECK4 750
      DECK4 751
      MOD18 55
      MOD18 56
      MOD18 57
      MOD18 58
      MOD18 59
      MOD18 60
      DECK4 752
      DECK4 753
      DECK4 754
      DECK4 755
      DECK4 756
      DECK4 757
      DECK4 758
      DECK4 759
      DECK4 760
      DECK4 761
      DECK4 762
      DECK4 763
      DECK4 764
      DECK4 765
      DECK4 766
      DECK4 767
      DECK4 768
      DECK4 769
      MOD18 61
      MOD18 62
      MOD18 63
      MOD18 64
      MOD18 65
      MOD18 66
      MOD18 67
      MOD18 68
      MOD18 69
      MOD18 70
      MOD18 71
      MOD18 72
      MOD18 73
      MOD18 74
      MOD18 75
      DECK4 770
      DECK4 771
      DECK4 772
      DECK4 773
      DECK4 774
      DECK4 775
      MOD1 21
      DECK4 777
      DECK4 778
      DECK4 779
      DECK4 780
      DECK4 781
      DECK4 782
      DECK4 783
      DECK4 784
      DECK4 785
      DECK4 786
      DECK4 787
      DECK4 788
      DECK4 789
      DECK4 790
      DECK4 791
      MOD18 76
      MOD18 77

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870      ITI161+DELSTI1+2))/ (FR3(P10-1.))
      GO TO 268
267      FB=0.0
268      FB(4)=F8R12+F8S2+VUE
      IF (LL.NE.-1) GO TO 269
875      A(2.1)=A(2.1)+MF8F(4)8F(4)8(F(3)8T1153+SATUR((1.-PHI)8T1155+T1154)
      1)
      A(2.2)=A(2.2)+MF8F(4)8F(4)8RHUSATUR(R128TJJ32+F(1)8TJJ33)
      A(2.3)=A(2.3)+MF8F(4)8F(4)8(R128T1154+F(1)8T1153)
      A(2.4)=A(2.4)+MF8F(4)8(R128(F(3)8TJJ33+SATUR(2.8T1145+TJJ320))
880      1+(F(3)8TJJ33+SATUR(2.8T1154+TJJ390+(1.-PHI)8TJJ40)))
      FP(2)=FP(2)-S28MF8C128RAI-MF8F(4)8F(4)8SATUR528((RHUST12+ALT/T10)
      1(R128(T1145+(1.-PHI)8T1146)+F(1)8(T1154+(1.-PHI)8T1155))-RHUST12
      282.8D0T0/T18(R128TJJ32+F(1)8TJJ39))
269      CONTINUE
885      J=4
      CALL SING(A,FP,J,K)
      IF (K) 1,136,1
248      A(2.1)=A(2.1)+MF8(DC08(F(3)8F(3)8PIE28.5+F(4)8F(4)8T1117)+
      1SATUR5(4)8F(4)8((1.-PHI)8T1118+T1119))
890      A(2.3)=A(2.3)+MF8(DC08(F(3)8F(3)8PIE28.5+F(4)8F(4)8TJJ14R)+F(4)8SATUR(YJJ16R
      1+(1.-PHI)8TJJ15R.5))+F(1)8(DC08(F(3)8F(3)8PIE28.5+F(4)8TJJ17R)+SATU
      28F(4)8((1.-PHI)8TJJ18R+TJJ19R)))
      A(2.4)=A(2.4)+MF8F(4)8(R128(DC08TJJ18R+SATUR((1.-PHI)8(T1115
      1+TJJ15R.5)+2.8T1116+TJJ16R))+F(1)8(DC08TJJ19R+SATUR((1.-
895      2PHI)8(2.8T1118+TJJ18R)+2.8T1119+TJJ19R)))
      FP(2)=FP(2)-C128MF8S28RAI+MF8C128S28(F(1)8(F(3)8F(3)8PIE28.5+
      1F(4)8F(4)8T1117)+R128(F(3)8F(3)8PIE28.5+F(4)8F(4)8T1114))
      2-MF8SATUR528(F(4)8F(4)8(RHUST12+ALT/T10)8(R128(1.-PHI)8T1115
      3+T1116)+F(1)8((1.-PHI)8T1118+T1119))-RHUST128(1.+2.8D0T0/(T10
      4+T1282))8(R128TJJ16+TJJ19R(1)))
900      IF (FB-985+6) 276,277,277
276      FB=(884D0T0/F(3)8F(3)8PIE28.5+F(4)8F(4)8T110Y2)+GW8T1129+DEL
      18T1130)/ (FR3(P10-1.))
      IF (LL.NE.-1) GO TO 278
905      FB=(884D0T08(F(4)8F(4)8T11012+F(2)8F(2)8PIE28.5)+F(4)8F(4)8(G8
      1T1163+DELST1164))/ (FR3(P10-1.))
      GO TO 278
277      FB=0.0
278      FB(4)=F8R12+F8S2+VUE
      IF (LL.NE.-1) GO TO 279
910      A(2.1)=A(2.1)+MF8F(4)8F(4)8(F(3)8T1156+SATUR((1.-PHU)8T1158+T1157)
      1)
      A(2.2)=A(2.2)+F(4)8F(4)8MF8SATUR8RHUR(R128TJJ34+F(1)8TJJ42)
      A(2.3)=A(2.3)+F(4)8F(4)8MF8(R128T1154+F(1)8T1153)
915      A(2.4)=A(2.4)+F(4)8MF8(R128(F(3)8TJJ33+SATUR(2.8T1148+TJJ340))
      1(F(3)8(F(3)8TJJ41+SATUR((1.-PHI)8TJJ43+TJJ420+2.8T1157)))
      FP(2)=FP(2)-MF8C128S28RAI-F(4)8F(4)8MF8SATUR528((RHUST12+ALT/T10)
      18(R128(T1148+(1.-PHI)8T1149)+F(1)8(T1157+(1.-PHI)8T1158))-RHUST128
      22.8D0T0/T18(R128TJJ34+F(1)8TJJ42))
920      279      CONTINUE
      J=4
      CALL SING(A,FP,J,K)
      IF (K) 1,136,1
230      CALL SATEXT(RS,F)
      CALL SATEXT(RS,F)
      CALL PARWJ3(F,INDY)
      Q=(315588F(1)8F(1)+.98F(1)8R12+R128R12)8.58F(4)8F(4)8T13
925      1-258E8E-VUE
      RAI=F(4)8F(4)8T138(F(1)8.45+R12)8.5
930      FS=1.07034
      F6=1.094
      A(1.1)=F58.2258F(4)8F(4)8T13
      A(1.4)=(F58.458F(1)+R12)8(T13+.58TJJ3)8F(4)
      A(2.1)=D08F(4)8F(4)8T11732
935      A(2.2)=D08F(4)8(F(1)8TJJ49R2+R128TJJ20R2)
      A(2.4)=D08(F(1)8(.458F(2)+F(4)8TJJ49R2)+R128TJJ20828F(4))
      A(3.1)=D08F(4)8F(4)8T11733
      A(3.3)=D08F(4)8(F(1)8TJJ49WJ+R128TJJ20R3)
      A(3.4)=D08(F(1)8(.458F(3)+F(4)8TJJ49R3)+R128TJJ20838F(4))
940      A(4.1)=F(4)8F(4)8T138(F68.315588F(1)+F58.458R12)
      A(4.4)=F(4)8(T13+TJJ3.5)8(F68.315588F(1)8F(1)+F58.98R128F(1)+R128
      18T12)
      A(1.2)=A(1.3)=A(2.3)=A(3.2)=A(4.2)=A(4.3)=0.0
      FP(1)=E
      T122=S28(T12+GAMMA)
      FP(2)=-RHUST122+T128S28(F(4)8F(4)8(F(1)8T11732+R128T11312))
945      FP(2)=FP(2)+VTE
      FP(3)=C128S28(-RAI+F(4)8F(4)8(F(1)8T11733+R128T11313))+VCE

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MOD18 78
DECK4 792
DECK4 793
DECK4 794
MOD18 79
MOD18 80
MOD18 81
MOD18 82
MOD18 83
MOD18 84
MOD18 85
MOD18 86
MOD18 87
MOD18 88
MOD18 89
MOD18 90
MOD18 91
DECK4 796
DECK4 797
DECK4 798
DECK4 799
DECK4 800
DECK4 801
DECK4 802
DECK4 803
DECK4 804
DECK4 805
DECK4 806
DECK4 807
DECK4 808
DECK4 809
DECK4 810
DECK4 811
DECK4 812
DECK4 813
MOD18 90
MOD18 91
MOD18 92
DECK4 814
DECK4 815
DECK4 816
MOD18 93
MOD18 94
MOD18 95
MOD18 96
MOD18 97
MOD18 98
MOD18 99
MOD18 100
MOD18 101
MOD18 102
MOD18 103
DECK4 817
DECK4 818
DECK4 819
DECK4 820
DECK4 821
DECK4 822
DECK4 823
DECK4 824
DECK4 825
MOD13 1
MOD13 2
DECK4 828
DECK4 829
DECK4 830
DECK4 831
DECK4 832
DECK4 833
DECK4 834
DECK4 835
DECK4 836
DECK4 837
DECK4 838
DECK4 839
DECK4 840
MOD18 104
MOD18 105
DECK4 842
DECK4 843

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950 286 IF (FR- 98E+6) 286,287,287
      FB=F(4)*F(4)*8(EDTOSTI1312+GASTCOSTI1313)/(FR*(PIO-1.))
      IF (LL ME. -1) GO TO 288
      FB = F(4)*F(4)*8(EDTOSTI1312+GASTCOSTI1313)/(FR*(PIO-1.))
      GO TO 288
287 FB=0.0
955 288 FP(4)=ERR12+FB*SZ+VUE
      IF (LL ME. -1) GO TO 289
      A(3,1)=F68.58F(3)*F(4)*8T13
      A(3,3)=F(4)*8F(4)*8T13*(F68F(1)*8.5+58F58R12)
      A(3,4)=F(4)*8(T13+58TJ3)*F(3)*8(F68F(1)+F58R12)
      FP(3) = -S28C128ARI+VCI
960 289 CONTINUE
      J=4
      IF (INDIC ME. 3) GO TO 70
      A(2,1)=A(2,1)+MF8F(4)*F(4)*8(DCOSTI1313+SATUR((1.-PHI)*8T1481
1+T1134))
      A(2,3)=MF8(R128(DCOSTJJ24R+SATUR((1.-PHI)*8TJJ25R+TJJ26R))+
1F(1)*8(DCOSTJJ22R+SATUR((1.-PHI)*8TJ48R1+TJJ23R)))8F(4)
      A(2,4)=A(2,4)+MF8(R128(DCOSTJJ24R+SATUR((1.-PHI)*8TJJ25R+
1TJJ26R+2.8T1137)+F(1)*8(DCOSTJJ22R+SATUR((1.-PHI)*8(2.8T1481
2+TJ48R1)+2.8T1134+TJJ23R)))8F(4)
      FP(2)=FP(2)+MF8C128S28(-ARI+F(4)*F(4)*8(F(1)*8T1133+R128T1135)
1)-MF8F(4)*F(4)*8SATURS28((RMUSTI2+ALT/TIO)*8(R128((1.-PHI)*8T1136
2+T1137)+F(1)*8((1.-PHI)*8T1481+T1134))-RMUSTI28(1.+2.8DTO/TIO
3+T1282))*8(R128TJJ26+F(1)*8TJJ23))
975 296 IF (FR- 98E+6) 296,297,297
      FB=F(4)*F(4)*8(EDTOSTI1312+GASTI1313+DEL8T1138)/(FR*(PIO-1.))
      IF (LL ME. -1) GO TO 298
      FB=F(4)*F(4)*8(EDTOSTI1312+GASTI170+DEL8T1171)/(FR*(PIO-1.))
      GO TO 298
980 297 FB=0.0
      298 FP(4)=ERR12+FB*SZ+VUE
      IF (LL ME. -1) GO TO 299
      A(2,1)=A(2,1)+MF8F(4)*F(4)*8(F(3)*8T1165+SATUR((1.-PHI)*8T115+T1166))
      A(2,2)=A(2,2)+MF8F(4)*F(4)*8SATURRMUR(R128TJJ47+F(1)*8TJJ45)
      A(2,3)=MF8F(4)*F(4)*8(R128T1167+F(1)*8T1165)
      A(2,4)=A(2,4)+F(4)*8MF8(R128(F(3)*8TJJ468.5+SATUR(2.8T1168+TJJ478))+
1F(1)*8(DTOSTJJ448.5+SATUR((1.-PHI)*8(2.8T115+TJ15)+2.8T1166+TJJ458)
2))
      FP(2)=FP(2)-MF8S28C128ARI-MF8F(4)*F(4)*8SATURS28((RMUSTI2+ALT/TIO)*8
1(R128(T1168+(1.-PHI)*8T1169)+F(1)*8(T1166+(1.-PHI)*8T115))-RMUSTI282.
28DTO/T18(R128TJJ47+F(1)*8TJJ45))
990 299 CONTINUE
      J=4
      CALL SING(A,FP,J,K)
995 900 IF (K) 1.136,1
      STOP
      END

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DECK4 844
DECK4 845
MOD18 106
MOD18 107
DECK4 846
DECK4 847
DECK4 848
MOD18 108
MOD18 109
MOD18 110
MOD18 111
MOD18 112
MOD18 113
DECK4 849
DECK4 850
DECK4 851
DECK4 852
DECK4 853
DECK4 854
DECK4 855
DECK4 856
DECK4 857
DECK4 858
DECK4 859
DECK4 860
DECK4 861
DECK4 862
DECK4 863
MOD18 114
MOD18 115
DECK4 864
DECK4 865
DECK4 866
MOD18 116
MOD18 117
MOD18 118
MOD18 119
MOD18 120
MOD18 121
MOD18 122
MOD18 123
MOD18 124
MOD18 125
MOD18 126
DECK4 867
DECK4 868
DECK4 869
DECK4 870
DECK4 871

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SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS 3 DERIV1 DEF LINE 1 REFERENCES 183

VARIABLES 7201 R SN TYPE REAL ARRAY RELOCATION

REFS	2	114	122	123	124	125	130
132	133	134	135	136	138	143	145
147	148	149	151	231	342	359	364
381	386	404	478	540	578	580	594
596	598	610	612	614	627	656	658
672	729	732	748	750	754	762	816
821	836	838	840	850	852	857	875
877	879	886	888	893	911	913	915
922	964	968	983	984	986	994	
DEFINED	73	74	75	76	78	79	80
81	83	84	85	86	88	89	90
91	191	192	193	194	196	197	198
199	202	203	204	205	207	208	209
210	252	253	254	255	257	258	259
260	262	263	264	265	267	269	270
271	294	295	296	297	299	300	301
302	304	306	307	308	311	312	313
314	339	342	361	364	383	386	413
28414	415	68417	418	419	420	421	422

VARIABLES SN TYPE RELOCATION

					424	443	444	78445	446	447	449	453
					425	444	445	78446	447	448	450	454
					426	445	446	78447	448	449	451	455
					427	446	447	78448	449	450	452	456
					428	447	448	78449	450	451	453	457
					429	448	449	78450	451	452	454	458
					430	449	450	78451	452	453	455	459
					431	450	451	78452	453	454	456	460
					432	451	452	78453	454	455	457	461
					433	452	453	78454	455	456	458	462
					434	453	454	78455	456	457	459	463
					435	454	455	78456	457	458	460	464
					436	455	456	78457	458	459	461	465
					437	456	457	78458	459	460	462	466
					438	457	458	78459	460	461	463	467
					439	458	459	78460	461	462	464	468
					440	459	460	78461	462	463	465	469
					441	460	461	78462	463	464	466	470
					442	461	462	78463	464	465	467	471
					443	462	463	78464	465	466	468	472
					444	463	464	78465	466	467	469	473
					445	464	465	78466	467	468	470	474
					446	465	466	78467	468	469	471	475
					447	466	467	78468	469	470	472	476
					448	467	468	78469	470	471	473	477
					449	468	469	78470	471	472	474	478
					450	469	470	78471	472	473	475	479
					451	470	471	78472	473	474	476	480
					452	471	472	78473	474	475	477	481
					453	472	473	78474	475	476	478	482
					454	473	474	78475	476	477	479	483
					455	474	475	78476	477	478	480	484
					456	475	476	78477	478	479	481	485
					457	476	477	78478	479	480	482	486
					458	477	478	78479	480	481	483	487
					459	478	479	78480	481	482	484	488
					460	479	480	78481	482	483	485	489
					461	480	481	78482	483	484	486	490
					462	481	482	78483	484	485	487	491
					463	482	483	78484	485	486	488	492
					464	483	484	78485	486	487	489	493
					465	484	485	78486	487	488	490	494
					466	485	486	78487	488	489	491	495
					467	486	487	78488	489	490	492	496
					468	487	488	78489	490	491	493	497
					469	488	489	78490	491	492	494	498
					470	489	490	78491	492	493	495	499
					471	490	491	78492	493	494	496	500
					472	491	492	78493	494	495	497	501
					473	492	493	78494	495	496	498	502
					474	493	494	78495	496	497	499	503
					475	494	495	78496	497	498	500	504
					476	495	496	78497	498	499	501	505
					477	496	497	78498	499	500	502	506
					478	497	498	78499	500	501	503	507
					479	498	499	78500	501	502	504	508
					480	499	500	78501	502	503	505	509
					481	500	501	78502	503	504	506	510
					482	501	502	78503	504	505	507	511
					483	502	503	78504	505	506	508	512
					484	503	504	78505	506	507	509	513
					485	504	505	78506	507	508	510	514
					486	505	506	78507	508	509	511	515
					487	506	507	78508	509	510	512	516
					488	507	508	78509	510	511	513	517
					489	508	509	78510	511	512	514	518
					490	509	510	78511	512	513	515	519
					491	510	511	78512	513	514	516	520
					492	511	512	78513	514	515	517	521
					493	512	513	78514	515	516	518	522
					494	513	514	78515	516	517	519	523
					495	514	515	78516	517	518	520	524
					496	515	516	78517	518	519	521	525
					497	516	517	78518	519	520	522	526
					498	517	518	78519	520	521	523	527
					499	518	519	78520	521	522	524	528
					500	519	520	78521	522	523	525	529
					501	520	521	78522	523	524	526	530
					502	521	522	78523	524	525	527	531
					503	522	523	78524	525	526	528	532
					504	523	524	78525	526	527	529	533
					505	524	525	78526	527	528	530	534
					506	525	526	78527	528	529	531	535
					507	526	527	78528	529	530	532	536
					508	527	528	78529	530	531	533	537
					509	528	529	78530	531	532	534	538
					510	529	530	78531	532	533	535	539
					511	530	531	78532	533	534	536	540
					512	531	532	78533	534	535	537	541
					513	532	533	78534	535	536	538	542
					514	533	534	78535	536	537	539	543
					515	534	535	78536	537	538	540	544
					516	535	536	78537	538	539	541	545
					517	536	537	78538	539	540	542	546
					518	537	538	78539	540	541	543	547
					519	538	539	78540	541	542	544	548
					520	539	540	78541	542	543	545	549
					521	540	541	78542	543	544	546	550
					522	541	542	78543	544	545	547	551
					523	542	543	78544	545	546	548	552
					524	543	544	78545	546	547	549	553
					525	544	545	78546	547	548	550	554
					526	545	546	78547	548	549	551	555
					527	546	547	78548	549	550	552	556
					528	547	548	78549	550	551	553	557
					529	548	549	78550	551	552	554	558
					530	549	550	78551	552	553	555	559
					531	550	551	78552	553	554	556	560
					532	551	552	78553	554	555	557	561
					533	552	553	78554	555	556	558	562
					534	553	554	78555	556	557	559	563
					535	554	555	78556	557	558	560	564
					536	555	556	78557	558	559	561	565
					537	556	557	78558	559	560	562	566
					538	557	558	78559	560	561	563	567
					539	558	559	78560	561	562	564	568
					540	559	560	78561	562	563	565	569
					541	560	561	78562	563	564	566	570
					542	561	562	78563	564	565	567	571
					543	562	563	78564	565	566	568	572
					544	563	564	78565	566	567	569	573
					545	564	565	78566	567	568	570	574
					546	565	566	78567	568	569	571	575
					547	566	567	78568	569	570	572	576
					548	567	568	78569	570	571	573	577
					549	568	569	78570	571	572	574	578
					550	569	570	78571	572	573	575	579
					551	570	571	78572	573	574	576	580
					552	571	572	78573	574	575	577	581
					553	572	573	78574	575	576	578	582
					554	573	574	78575	576	577	579	583
					555	574						

VARIABLES	SM	TYPE	RELOCATION	DEFINED						
22 DD1		REAL	PAR1	REFS	62	244	488	678	681	685
30 DD1C		REAL	PAR1	REFS	9	199				
26 DD1D		REAL	PAR1	REFS	9	524				
26 DD1E		REAL	PAR1	REFS	9	732				
27 DD11		REAL	PAR1	REFS	9	731	732			
27 DD12		REAL	PAR1	REFS	9	754	DEFINED	753		
23 DD2		REAL	PAR1	REFS	9	198				
24 DD3		REAL	PAR1	REFS	9	199	743	753	DEFINED	741
31 DD3C		REAL	PAR1	REFS	9	535				752
32 DD7		REAL	PAR1	REFS	9	535				
17 DEL		REAL	AMB	REFS	5	225	743	DEFINED	742	
				REFS	5	353	375	398	471	535
				REFS	5	622	666	719	743	812
				REFS	5	869	902	976	978	
				REFS	5	869	105	715	717	739
				REFS	5	225	225	739		743
				REFS	5	225	712			
				REFS	5	702	710	734		
				REFS	5	699				
				REFS	5	704				
				REFS	5	704				
				REFS	5	105				
				REFS	5					
				REFS	5	81	111	112	197	199
				REFS	5	282	314	329	346	353
				REFS	5	375	418	419	434	446
				REFS	5	464	699	701	781	783
				REFS	5	802	812	812	860	866
				REFS	5	881	902	917	934	935
				REFS	5	950	976	978	986	989
				REFS	5	952	243	489	679	686
				REFS	5	61	71	98	100	191
				REFS	5	219	76	98	100	194
				REFS	5	498	500	501	520	521
				REFS	5	748	751	753		
				REFS	5	741	751	752		
				REFS	5	748	753			
				REFS	5	753	757			
				REFS	5	76	98	100	194	217
				REFS	5	501				498
				REFS	5	741	742	752	757	
				REFS	5	741				
				REFS	5	750				
				REFS	5	750				
				REFS	5		81	86	99	101
				REFS	5	218	503	504	505	506
				REFS	5	525	514	535	594	522
				REFS	5	526	710	712	717	723
				REFS	5	701	710	712	723	724
				REFS	5	757				736
				REFS	5	9	28754			
				REFS	5	754	757			
				REFS	5					
				REFS	5	79	81	85	86	99
				REFS	5	197	205	218	222	101
				REFS	5	88	91	110	207	210
				REFS	5	497	508	527	528	230
				REFS	5	754				
				REFS	5	91	110	210	230	497
				REFS	5					508
				REFS	5	754				
				REFS	5	96	108	181	182	215
				REFS	5	274	286	316	333	228
				REFS	5	379	426	437	459	357
				REFS	5	28497	517	530	538	474
				REFS	5	592	625	28632	28550	28476
				REFS	5	708	720	746	645	564
				REFS	5	909	944	955	981	670
				REFS	5	239	493	543	690	212
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	93	212	239	493	543
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				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
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				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
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				REFS	5	93	212	239	493	543
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				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690
				REFS	5	93	212	239	493	543
				REFS	5	41	42			690

VARIABLES	SN	TYPE	RELOCATION	DEFINED REFS	44 93	212	239	493	543	690	768
7125 E4		REAL		DEFINED REFS	93						
Q F		REAL	ARRAY F.P.	DEFINED REFS	93						
				2860	67	46	42	48	48	2868	2868
				2866	2888	71	2873	2876	2879	2881	2885
				2886	2891	3893	3893	6898	6899	68100	68101
				68110	28175	28175	190	28191	28194	28197	28198
				68199	28208	28208	28207	28210	28212	68217	168218
				68222	28230	236	237	238	48239	247	248
				249	28262	266	28267	269	28264	266	58267
				38271	108277	88279	78282	88288	38294	297	28301
				302	88308	18310	28311	118	68312	88318	28321
				98325	78339	78339	38342	108346	48343	68361	38364
				108368	48375	68383	386	108391	48398	409	410
				411	28413	416	418	419	420	421	422
				423	88428	18430	28434	28439	28443	884	884
				447	28449	453	454	456	457	38460	118464
				28471	28476	28485	486	487	488	489	38493
				495	496	68497	68498	28500	28501	28503	28504
				28505	28506	28507	28508	28514	28520	28521	28522
				28523	28524	28525	28526	28527	28528	28532	38535
				542	48543	547	548	549	48550	38553	554
				28555	28556	28557	28558	58559	561	68565	48570
				28578	28579	28580	28581	28589	28594	28597	18598
				38601	68605	28612	28613	38614	38618	38622	629
				630	631	28632	634	635	28636	28637	28638
				28639	640	642	28646	48650	28656	28657	38658
				38662	38664	673	28678	28677	681	28681	684
				38690	692	693	58696	28697	28698	28698	58700
				58701	58703	704	58705	48706	78710	78712	38717
				38722	38723	38724	68729	38731	48732	168734	38741
				38742	28743	38748	38750	38751	38752	28753	88754
				88759	755	756	48758	759	760	761	754
				58775	38777	28778	28779	48780	58781	28783	48784
				58785	38787	38788	48789	98793	98796	88799	78802
				38808	38809	38810	68816	88818	38821	138823	98829
				68832	38836	38838	38839	58840	48842	68852	78854
				28857	138860	48866	68869	38875	38877	38878	48879
				48881	68884	78890	28893	138896	48902	68905	38911
				38913	38914	48915	48917	924	925	926	58927
				38929	28932	28933	28934	28936	48936	28937	28938
				48939	38940	48941	38946	38948	28950	38952	38957
				38958	38959	28964	28966	28968	78971	28976	28978
				38983	38984	38985	38986	48989	DEFINED	1	
7154 FD		REAL		REFS	180	182	DEFINED	177	DEFINED		
7155 FDY		REAL		REFS	181	182	178	180			
O FP		REAL	ARRAY F.P.	REFS	181	99	101	102	103	114	126
				127	139	140	152	153	154	157	162
				165	166	221	223	231	359	381	404
				432	478	540	594	610	627	672	757
				762	823	842	850	860	881	886	896
				917	922	947	971	989	994		
				DEFINED	96	98	99	99	100	101	102
				103	108	126	139	152	153	157	158
				159	162	167	165	166	167	181	182
				219	218	221	222	227	228	274	276
				279	286	316	319	325	333	346	357
				368	379	391	402	426	428	430	432
				437	459	460	464	474	509	511	512
				517	530	531	532	538	564	567	568
				573	584	592	601	608	618	625	645
				647	648	653	662	670	708	710	712
				720	725	734	746	757	792	793	796
				806	811	823	842	848	860	873	881
				896	909	917	944	946	947	948	955
10 FR		REAL	AMB	REFS	971	981	989				
				219	281	282	328	329	352	353	374
				375	397	398	433	434	470	471	493
				513	514	534	535	543	569	570	588
				589	604	605	621	622	649	650	665
				666	690	714	715	717	738	739	743
				748	798	799	802	828	829	842	865
				866	869	901	902	905	949	950	952
				975	976	978					
7177 F8L		REAL	AMB	REFS	5						
7177 F5		REAL		REFS	932	933	940	941	952	958	959
7200 F6		REAL		DEFINED REFS	930	941	957	958	959		

[illegible]

VARIABLES SN TYPE RELOCATION

					286	58288	28294	28297	28301	28302	58304	58308
					28611	58289	28295	28298	28302	28303	58305	58309
					28612	58290	28296	28299	28303	28304	58306	58310
					28613	58291	28297	28300	28304	28305	58307	58311
					28614	58292	28298	28301	28305	28306	58308	58312
					28615	58293	28299	28302	28306	28307	58309	58313
					28616	58294	28300	28303	28307	28308	58310	58314
					28617	58295	28301	28304	28308	28309	58311	58315
					28618	58296	28302	28305	28309	28310	58312	58316
					28619	58297	28303	28306	28310	28311	58313	58317
					28620	58298	28304	28307	28311	28312	58314	58318
					28621	58299	28305	28308	28312	28313	58315	58319
					28622	58300	28306	28309	28313	28314	58316	58320
					28623	58301	28307	28310	28314	28315	58317	58321
					28624	58302	28308	28311	28315	28316	58318	58322
					28625	58303	28309	28312	28316	28317	58319	58323
					28626	58304	28310	28313	28317	28318	58320	58324
					28627	58305	28311	28314	28318	28319	58321	58325
					28628	58306	28312	28315	28319	28320	58322	58326
					28629	58307	28313	28316	28320	28321	58323	58327
					28630	58308	28314	28317	28321	28322	58324	58328
					28631	58309	28315	28318	28322	28323	58325	58329
					28632	58310	28316	28319	28323	28324	58326	58330
					28633	58311	28317	28320	28324	28325	58327	58331
					28634	58312	28318	28321	28325	28326	58328	58332
					28635	58313	28319	28322	28326	28327	58329	58333
					28636	58314	28320	28323	28327	28328	58330	58334
					28637	58315	28321	28324	28328	28329	58331	58335
					28638	58316	28322	28325	28329	28330	58332	58336
					28639	58317	28323	28326	28330	28331	58333	58337
					28640	58318	28324	28327	28331	28332	58334	58338
					28641	58319	28325	28328	28332	28333	58335	58339
					28642	58320	28326	28329	28333	28334	58336	58340
					28643	58321	28327	28330	28334	28335	58337	58341
					28644	58322	28328	28331	28335	28336	58338	58342
					28645	58323	28329	28332	28336	28337	58339	58343
					28646	58324	28330	28333	28337	28338	58340	58344
					28647	58325	28331	28334	28338	28339	58341	58345
					28648	58326	28332	28335	28339	28340	58342	58346
					28649	58327	28333	28336	28340	28341	58343	58347
					28650	58328	28334	28337	28341	28342	58344	58348
					28651	58329	28335	28338	28342	28343	58345	58349
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					28653	58331	28337	28340	28344	28345	58347	58351
					28654	58332	28338	28341	28345	28346	58348	58352
					28655	58333	28339	28342	28346	28347	58349	58353
					28656	58334	28340	28343	28347	28348	58350	58354
					28657	58335	28341	28344	28348	28349	58351	58355
					28658	58336	28342	28345	28349	28350	58352	58356
					28659	58337	28343	28346	28350	28351	58353	58357
					28660	58338	28344	28347	28351	28352	58354	58358
					28661	58339	28345	28348	28352	28353	58355	58359
					28662	58340	28346	28349	28353	28354	58356	58360
					28663	58341	28347	28350	28354	28355	58357	58361
					28664	58342	28348	28351	28355	28356	58358	58362
					28665	58343	28349	28352	28356	28357	58359	58363
					28666	58344	28350	28353	28357	28358	58360	58364
					28667	58345	28351	28354	28358	28359	58361	58365
					28668	58346	28352	28355	28359	28360	58362	58366
					28669	58347	28353	28356	28360	28361	58363	58367
					28670	58348	28354	28357	28361	28362	58364	58368
					28671	58349	28355	28358	28362	28363	58365	58369
					28672	58350	28356	28359	28363	28364	58366	58370
					28673	58351	28357	28360	28364	28365	58367	58371
					28674	58352	28358	28361	28365	28366	58368	58372
					28675	58353	28359	28362	28366	28367	58369	58373
					28676	58354	28360	28363	28367	28368	58370	58374
					28677	58355	28361	28364	28368	28369	58371	58375
					28678	58356	28362	28365	28369	28370	58372	58376
					28679	58357	28363	28366	28370	28371	58373	58377
					28680	58358	28364	28367	28371	28372	58374	58378
					28681	58359	28365	28368	28372	28373	58375	58379
					28682	58360	28366	28369	28373	28374	58376	58380
					28683	58361	28367	28370	28374	28375	58377	58381
					28684	58362	28368	28371	28375	28376	58378	58382
					28685	58363	28369	28372	28376	28377	58379	58383
					28686	58364	28370	28373	28377	28378	58380	58384
					28687	58365	28371	28374	28378	28379	58381	58385
					28688	58366	28372	28375	28379	28380	58382	58386
					28689	58367	28373	28376	28380	28381	58383	58387
					28690	58368	28374	28377	28381	28382	58384	58388
					28691	58369	28375	28378	28382	28383	58385	58389
					28692	58370	28376	28379	28383	28384	58386	58390
					28693	58371	28377	28380	28384	28385	58387	58391
					28694	58372	28378	28381	28385	28386	58388	58392
					28695	58373	28379	28382	28386	28387	58389	58393
					28696	58374	28380	28383	28387	28388	58390	58394
					28697	58375	28381	28384	28388	28389	58391	58395
					28698	58376	28382	28385	28389	28390	58392	58396
					28699	58377	28383	28386	28390	28391	58393	58397
					28700	58378	28384	28387	28391	28392	58394	58398
					28701	58379	28385	28388	28392	28393	58395	58399
					28702	58380	28386	28389	28393	28394	58396	58400
					28703	58381	28387	28390	28394	28395	58397	58401
					28704	58382	28388	28391	28395	28396	58398	58402
					28705	58383	28389	28392	28396	28397	58399	58403
					28706	58384	28390	28393	28397	28398	58400	58404
					28707	58385	28391	28394	28398	28399	58401	58405
					28708	58386	28392	28395	28399	28400	58402	58406
					28709	58387	28393	28396	28400	28401	58403	58407
					28710	58388	28394	28397	28401	28402	58404	58408
					28711	58389	28395	28398	28402	28403	58405	58409
					28712	58390	28396	28399	28403	28404	58406	58410
					28713	58391	28397	28400	28404	28405	58407	58411
					28714	58392	28398	28401	28405	28406	58408	58412
					28715	58393	28399	28402	28406	28407	58409	58413
					28716	58394	28400	28403	28407	28408	58410	58414
					28717	58395	28401	28404	28408	28409	58411	58415
					28718	58396	28402	28405	28409	28410	58412	58416
					28719	58397	28403	28406	28410	28411	58413	58417
					28720	58398	28404	28407	28411	28412	58414	58418
					28721	58399	28405	28408	28412	28413	58415	58419
					28722	58400	28406	28409	28413	28414	58416	58420
					28723	58401	28407	28410	28414	28415	58417	58421
					28724	5840						

VARIABLES SN TYPE RELOCATION

				806	811	18823	28842	848	18860	873	28881
				18896	909	28917	945	946	948	955	960
				28971	981	28989	DEFINED	47			
1	TM1	REAL	OUT	REFS	7						
2	TM2	REAL	OUT	REFS	7						
7134	T1	REAL		REFS	2853	757	842	881	917	989	
2176	T11	REAL	UNDEF.	REFS	848						
0	T11011	REAL	PAR4	REFS	13	255	276	279	288	297	317
1	T11012	REAL	PAR4	REFS	321	276	282	325	329	346	353
				REFS	125	281	288	325	329	346	353
2	T11013	REAL	PAR4	REFS	868	279	282	305	319	793	799
3	T11021	REAL	PAR4	REFS	13	279	282	319	325	346	353
4	T11022	REAL	PAR4	REFS	13	288	282	321	325	346	353
				REFS	191	780	783	796	802	802	829
5	T11023	REAL	PAR4	REFS	13	265	279	302	319	784	793
6	T1103	REAL	PAR4	REFS	13	346	823				
7	T1104	REAL	PAR4	REFS	13	346	823				
10	T1105	REAL	PAR4	REFS	13	342	346	821	823		
11	T1106	REAL	PAR4	REFS	13	346	816	823			
12	T1107	REAL	PAR4	REFS	13	342	346	816	821	823	
13	T1108	REAL	PAR4	REFS	13	342	346	816			
14	T1109	REAL	PAR4	REFS	13	342	346	816			
15	T1110	REAL	PAR4	REFS	13	342	346	816			
16	T1111	REAL	PAR4	REFS	13	342	346	816			
17	T1112	REAL	PAR4	REFS	13	342	346	816			
20	T1113	REAL	PAR4	REFS	13	342	346	816			
21	T1114	REAL	PAR4	REFS	13	342	346	816			
22	T1115	REAL	PAR4	REFS	13	342	346	816			
23	T1116	REAL	PAR4	REFS	13	342	346	816			
24	T1117	REAL	PAR4	REFS	13	342	346	816			
25	T1118	REAL	PAR4	REFS	13	342	346	816			
26	T1119	REAL	PAR4	REFS	13	342	346	816			
27	T1120	REAL	PAR4	REFS	13	342	346	816			
30	T1126	REAL	PAR4	REFS	13	342	346	816			
31	T1127	REAL	PAR4	REFS	13	342	346	816			
32	T1128	REAL	PAR4	REFS	13	342	346	816			
33	T1129	REAL	PAR4	REFS	13	342	346	816			
34	T1130	REAL	PAR4	REFS	13	342	346	816			
35	T11311	REAL	PAR4	REFS	13	342	346	816			
36	T11312	REAL	PAR4	REFS	13	342	346	816			
37	T11313	REAL	PAR4	REFS	13	342	346	816			
43	T113131	REAL	PAR4	REFS	13	342	346	816			
40	T11321	REAL	PAR4	REFS	13	342	346	816			
41	T11322	REAL	PAR4	REFS	13	342	346	816			
42	T11323	REAL	PAR4	REFS	13	342	346	816			
44	T1133	REAL	PAR4	REFS	13	342	346	816			
45	T1134	REAL	PAR4	REFS	13	342	346	816			
46	T1135	REAL	PAR4	REFS	13	342	346	816			
47	T1136	REAL	PAR4	REFS	13	342	346	816			
50	T1137	REAL	PAR4	REFS	13	342	346	816			
51	T1138	REAL	PAR4	REFS	13	342	346	816			
52	T1139	REAL	PAR4	REFS	13	342	346	816			
53	T1140	REAL	PAR4	REFS	13	342	346	816			
54	T1141	REAL	PAR4	REFS	13	342	346	816			
55	T1142	REAL	PAR4	REFS	13	342	346	816			
56	T1143	REAL	PAR4	REFS	13	342	346	816			
57	T1144	REAL	PAR4	REFS	13	342	346	816			
60	T1145	REAL	PAR4	REFS	13	342	346	816			
61	T1146	REAL	PAR4	REFS	13	342	346	816			
62	T1147	REAL	PAR4	REFS	13	342	346	816			
63	T1148	REAL	PAR4	REFS	13	342	346	816			
64	T1149	REAL	PAR4	REFS	13	342	346	816			
65	T1150	REAL	PAR4	REFS	13	342	346	816			
66	T1151	REAL	PAR4	REFS	13	342	346	816			
67	T1152	REAL	PAR4	REFS	13	342	346	816			
70	T1153	REAL	PAR4	REFS	13	342	346	816			
71	T1154	REAL	PAR4	REFS	13	342	346	816			
72	T1155	REAL	PAR4	REFS	13	342	346	816			
73	T1156	REAL	PAR4	REFS	13	342	346	816			
74	T1157	REAL	PAR4	REFS	13	342	346	816			
75	T1158	REAL	PAR4	REFS	13	342	346	816			
76	T1159	REAL	PAR4	REFS	13	342	346	816			
77	T1160	REAL	PAR4	REFS	13	342	346	816			
100	T1161	REAL	PAR4	REFS	13	342	346	816			

[illegible]

[illegible]

VARIABLES		SM	TYPE	RELOCATION	DEF LINE	REFERENCES	DEF LINE	REFERENCES	DEF LINE	REFERENCES	DEF LINE	REFERENCES	DEF LINE	REFERENCES	DEF LINE	REFERENCES
121	TJ4881		REAL	PAR4	99	13	449	968								
132	TJ4881		REAL	PAR4	100	13	447	966								
143	TJ4881		REAL	2F9	101	13										
718	UM		REAL		102	13	DEFINED	171								
719	UMX		REAL		103	13	DEFINED	168								
720	UMY		REAL		104	13	DEFINED	168								
721	UMZ		REAL		105	13	DEFINED	170								
7120	VCE		REAL		106	13	DEFINED	172	319	430	460	512				
					107	13			793	948						
7168	UCI		REAL	8UNDEF	108	13	811	960								
7117	VTE		REAL		109	13	221	276	325	346	368	391				
					110	13	611	632	668	684	601	618				
					111	13	710	734	786	847						
7116	VUE		REAL		112	13										
					113	13	228	286	333	357	379	402				
					114	13	617	638	673	692	608	625				
					115	13	720	746	806	848	873	889				
7121	VVE		REAL		116	13	DEFINED	17								
					117	13	230	288	321	439	476	497				
					118	13	694	775	927	DEFINED	40					
82	WATER		REAL	OUT	119	13										
20	MP		REAL	AND	120	13	198	199	216	28218	339	342				
					121	13	361	364	367	28368	383	386				
					122	13	447	449	462	28464	522	523				
					123	13	678	679	680	681	684	686				
					124	13	680	681	682	683	684	686				
					125	13	687	688	689	690	691	692				
					126	13	748	750	751	28754	28757	816				
					127	13	821	822	823	824	825	826				
					128	13	884	885	886	887	888	889				
					129	13	888	889	890	891	892	893				
					130	13	916	917	918	919	920	921				
					131	13	985	986	987	988	989	990				
					132	13	28989	28990	28991	28992	28993	28994				
1	XE		REAL	2F9	REFS	7										
47	XM		REAL	OUT	REFS	7										
44	XXX		REAL	OUT	REFS	7										
2	YE		REAL	2F9	REFS	35										
718	YY		REAL		REFS	180	DEFINED	179								
4	Z		REAL	OUT	REFS	7										
					REFS	52		61								
					REFS	391		62								
					REFS	464		584	601	243	244	346				
					REFS	685		686	823	618	662	678				
3	ZE		REAL	2F9	REFS	35										
0	ZFENH		REAL	2FEN	REFS	3		63	490	687						
FILE NAMES		MODE														
TAP6		PHY														
EXTERNALS		TYPE	ARGS	REFERENCES												
BCOS		REAL	1	232	543	768										
COS		REAL	1	48	49											
PARAM			1	71	190	496	693									
PARAM3			2	249	411	549	631	774	926							
SATEXN			2	248	410	548	630	773	925							
SATEXT			2	67	247	409	495	547	629							
SING			4	114	127	140	154	231	359	692	772	924				
				540	594	610	627	672	762	850	886	922				
				994												
SIN		REAL	1	46	47											
SORT		REAL	1	93	171	212	239	493	543	690	768					
INLINE FUNCTIONS		TYPE	ARGS	DEF LINE	REFERENCES											
ABS		REAL	1	INTRIN	93	179	212	239	493	543	690	768				
STATEMENT LABELS				DEF LINE	REFERENCES											
423 1				184	28155	28232	28360	28382	28405	28479	28541	28595	28611			
					28628	28673	28763	28851	28887	28923	28995					
0 2		INACTIVE		156	155											
0 5		INACTIVE		173	28172											
276 6				142	112											
120 7				155	115	128	141									
164 8				176	174											
240 10				121	111											
0 11		INACTIVE		105	104											
207 12				107	28104											
210 13				108	106											
254 20				129	113											

STATEMENT LABELS	DEF. LINE	REFERENCES
4714	760	747
6312	761	771
6313	762	771
6314	763	771
6315	764	771
6316	765	771
6317	766	771
6318	767	771
6319	768	771
6320	769	771
6321	770	771
6322	771	771
6323	772	771
6324	773	771
6325	774	771
6326	775	771
6327	776	771
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6329	778	771
6330	779	771
6331	780	771
6332	781	771
6333	782	771
6334	783	771
6335	784	771
6336	785	771
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6349	798	771
6350	799	771
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6360	809	771
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6362	811	771
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6364	813	771
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6368	817	771
6369	818	771
6370	819	771
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6398	847	771
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6600	1049	771
6601	1050	771
6602	1051	771
6603	1052	771
6604	1053	771
6605	1054	771
6606	1055	771
6607	1056	771
6608	1057	771
6609	1058	771
6610	1059	771
6611	1060	771
6612	1061	771
6613	1062	771
6614	1063	771
6615	1064	771
6616	1065	771
6617	1066	771
6618	1067	771
6619	1068	771
6620	1069	771
6621	1070	771
6622	1071	771
6623	1072	771
6624	1073	771
6625	1074	771
6626	1075	771
6627	1076	771
6628	1077	771
6629	1078	771
6630	1079	771
6631	1080	771
6632	1081	771
6633	1082	771
6634	1083	771
6635	1084	771
6636	1085	771
6637	1086	771
6638	1087	771
6639	1088	771
6640	1089	771
6641	1090	771
6642	1091	771
6643	1092	771
6644	1093	771
6645	1094	771
6646	1095	771
6647	1096	771
6648	1097	771
6649	1098	771
6650	1099	771
6651	1100	771
6652	1101	771
6653	110	

COMMON BLOCKS LENGTH MEMBERS BIAS NAME(LENGTH)

6	T1103	(1)	7	T1104	(1)	8	T1105	(1)
9	T1106	(1)	10	T1107	(1)	11	T1108	(1)
12	T1109	(1)	13	T1110	(1)	14	T1111	(1)
15	T1112	(1)	16	T1113	(1)	17	T1114	(1)
18	T1115	(1)	19	T1116	(1)	20	T1117	(1)
21	T1118	(1)	22	T1119	(1)	23	T1125	(1)
24	T1126	(1)	25	T1127	(1)	26	T1128	(1)
27	T1129	(1)	28	T1130	(1)	29	T1131	(1)
30	T11312	(1)	31	T11313	(1)	32	T11321	(1)
33	T11322	(1)	34	T11323	(1)	35	T113131	(1)
36	T1133	(1)	37	T1134	(1)	38	T1135	(1)
39	T1136	(1)	40	T1137	(1)	41	T1138	(1)
42	T1139	(1)	43	T1140	(1)	44	T1141	(1)
45	T1142	(1)	46	T1143	(1)	47	T1144	(1)
48	T1145	(1)	49	T1146	(1)	50	T1147	(1)
51	T1148	(1)	52	T1149	(1)	53	T1150	(1)
54	T1151	(1)	55	T1152	(1)	56	T1153	(1)
57	T1154	(1)	58	T1155	(1)	59	T1156	(1)
60	T1157	(1)	61	T1158	(1)	62	T1159	(1)
63	T1160	(1)	64	T1161	(1)	65	T1162	(1)
66	T1163	(1)	67	T1164	(1)	68	T1165	(1)
69	T1166	(1)	70	T1167	(1)	71	T1168	(1)
72	T1169	(1)	73	T1170	(1)	74	T1171	(1)
75	T1172	(1)	76	T11732	(1)	77	T11733	(1)
78	T1201	(1)	79	T1211	(1)	80	T1481	(1)
81	T13	(1)	82	TJ20R1	(1)	83	TJ20R1	(1)
84	TJ21R1	(1)	85	TJ21R1	(1)	86	TJ3	(1)
87	T15	(1)	88	TJ15	(1)	89	TJ48R1	(1)
90	TJ48R1	(1)	1	TJJ1R1	(1)	2	TJJ2R1	(1)
0	TJJ1R1	(1)	4	TJJ1R2	(1)	5	TJJ2R2	(1)
3	TJJ3R	(1)	7	TJJ2R2	(1)	8	TJJ1R3	(1)
6	TJJ1R2	(1)	10	TJJ1R3	(1)	11	TJJ2R3	(1)
9	TJJ2R3	(1)	13	TJJ5R	(1)	14	TJJ6R	(1)
12	TJJ5R	(1)	16	TJJ5	(1)	17	TJJ7	(1)
15	TJJ6R	(1)	19	TJJ7R	(1)	20	TJJ4R2	(1)
18	TJJ7R	(1)	22	TJJ8R	(1)	23	TJJ9R	(1)
21	TJJ4R2	(1)	25	TJJ11R	(1)	26	TJJ12R	(1)
24	TJJ10R	(1)	28	TJJ8R	(1)	29	TJJ9R	(1)
27	TJJ13R	(1)	31	TJJ11R	(1)	32	TJJ12R	(1)
30	TJJ10R	(1)	34	TJJ10	(1)	35	TJJ13	(1)
33	TJJ13R	(1)	37	TJJ19R	(1)	38	TJJ19R	(1)
36	TJJ19	(1)	40	TJJ18R	(1)	41	TJJ17R	(1)
39	TJJ18R	(1)	43	TJJ16R	(1)	44	TJJ16R	(1)
42	TJJ17R	(1)	46	TJJ15R	(1)	47	TJJ15R	(1)
45	TJJ16	(1)	49	TJJ14R	(1)	50	TJJ20R1	(1)
48	TJJ14R	(1)	52	TJJ20R3	(1)	53	TJJ20R1	(1)
51	TJJ20R2	(1)	55	TJJ20R3	(1)	56	TJJ21R1	(1)
54	TJJ20R2	(1)	58	TJJ21R3	(1)	59	TJJ21R1	(1)
57	TJJ21R2	(1)	61	TJJ21R3	(1)	62	TJJ22R	(1)
60	TJJ21R2	(1)	64	TJJ23R	(1)	65	TJJ23R	(1)
63	TJJ22R	(1)	67	TJJ24R	(1)	68	TJJ24R	(1)
66	TJJ23	(1)	70	TJJ25R	(1)	71	TJJ26	(1)
69	TJJ25R	(1)	73	TJJ26R	(1)	74	TJJ27	(1)
72	TJJ26R	(1)	76	TJJ29	(1)	77	TJJ30	(1)
75	TJJ28	(1)	79	TJJ35	(1)	80	TJJ36	(1)
78	TJJ30R	(1)	82	TJJ37	(1)	83	TJJ37	(1)
81	TJJ36R	(1)	85	TJJ32R	(1)	86	TJJ33	(1)
84	TJJ32	(1)	88	TJJ34R	(1)	89	TJJ38	(1)
87	TJJ34	(1)	91	TJJ39R	(1)	92	TJJ40	(1)
90	TJJ37	(1)	94	TJJ42R	(1)	95	TJJ42	(1)
93	TJJ41	(1)	97	TJJ44	(1)	98	TJJ45	(1)
96	TJJ43	(1)	100	TJJ45R	(1)	101	TJJ47R	(1)
99	TJJ46	(1)	103	TJJ48	(1)	104	TJJ4R	(1)
102	TJJ47	(1)	106	TJJ49R3	(1)	107	TJJ49R2	(1)
105	TJJ49R2	(1)	1	XE	(1)	2	YE	(1)
108	TJJ49R3	(1)	4	OBE	(1)	5	DCE	(1)
0	SET	(1)	7	LCNT	(1)	8	RDE	(1)
3	ZE	(1)	10	TZE	(1)	11	RSE	(1)
6	DYE	(1)						
9	TIE	(1)						
0	LL	(1)						

PAR3

109

ZF9

12

MOIST

1

STATISTICS

PROGRAM LENGTH

72438

3747

CM LABELED COMMON LENGTH

5208

336

573008 CM USED

DECK5	1
DECK5	2
DECK5	3
DECK5	4
DECK5	5
DECK5	6
DECK5	7
MOD1	8
DECK5	9
DECK5	10
DECK5	11
DECK5	12
DECK5	13
DECK5	14
DECK5	15
DECK5	16
DECK5	17
MOD12	18
DECK5	19
DECK5	20
DECK5	21
DECK5	22
MOD15	23
MOD15	24
MOD15	25
MOD15	26
MOD22	27
MOD15	28
MOD15	29
MOD15	30
MOD15	31
MOD15	32
MOD15	33
MOD15	34
MOD15	35
MOD15	36
MOD15	37
MOD15	38
MOD15	39
MOD15	40
MOD15	41
MOD15	42
MOD15	43
MOD15	44
MOD15	45
MOD15	46
MOD15	47
MOD15	48
MOD22	49
MOD22	50
MOD22	51
MOD15	52
DECK5	53
DECK5	54
DECK5	55
DECK5	56
DECK5	57

ENTRY 3	POINTS SATEXT	DEF LINE 1	REFERENCES 53	55	57							
VARIABLES	SW	TYPE	RELOCATION									
6	AL	REAL	AMB		REFS	5						
14	ALT	REAL	AMB		REFS	5	20					
171	AMAX	REAL			REFS	31	34	40	45	DEFINED	29	39
170	AMIN	REAL			REFS	10	34	40	45	DEFINED	28	44
174	ASUB	REAL			REFS	16	39	44	48	51	52	
					DEFINED	34	40	45				
43	A7	REAL	OUT		REFS	7						
7	BE	REAL	AMB		REFS	5						
42	CD	REAL	OUT		REFS	7						
2	C10	REAL	AMB		REFS	5	11	17	22	30	31	36

COMMON	BLOCKS AND	LENGTH 18	MEMBERS -	WINS	NAME (LENGTH)
	0	TIZ	(1)	1	CIZ (1)
	3	TIO	(1)	4	PLO (1)
	6	AL	(1)	7	BE (1)
	9	PT	(1)	10	FAL (1)
	12	ALT	(1)	13	SATU1 (1)
	15	DEL	(1)	16	WF (1)
				2	CIO (1)
				5	GA (1)
				8	FZ (1)
				11	WNU (1)
				14	PHI (1)
				17	BN (1)

COMMON BLOCKS	LENGTH	MEMBERS	BIAS NAME(LENGTH)
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OUT

44

01	L	(1)
02	H	(1)
03	DS	(1)
04	M11	(18)
05	J5	(1)
06	SIGMA	(1)
07	A7	(1)
08	BSM	(1)
09	SAYU	(1)

1	TH1	(1)
4	Z	(1)
7	R	(1)
27	J3	(1)
30	JJ	(1)
33	GAMMA	(1)
36	XXX	(1)
39	XA	(1)
42	J19	(1)

2	TH2	(1)
5	SNEW	(1)
8	K	(1)
12	SPACE	(1)
14	CD	(1)
17	RT	(1)
20	INDIC	(1)
23	WATER	(1)

STATISTICS

PROGRAM LENGTH

1228

122

CM LABELED COMMON LENGTH

768

62

520008 CM USED

```

1      FUNCTION ROOT(A,C,D,E,F,G)
      P = (1.-G881.5)882
      ROOT=ASP-(1.-E)8D/(1.-C)-D8(F8P8(1.+58F8P8(1.+F8P/3.)))/(1.-C)
      RETURN
5      END

```

```

MOD15 30
MOD15 31
MOD15 32
MOD15 33
MOD15 34

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SYMBOLIC REFERENCE MAP (R=3)

ENTRY 4	POINTS ROOT	DEF LINE 1	REFERENCES 4
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VARIABLES	SM	TYPE	RELOCATION
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00	A	REAL	F.P.	REFS	3	DEFINED	1
00	C	REAL	F.P.	REFS	283	DEFINED	1
00	D	REAL	F.P.	REFS	283	DEFINED	1
00	E	REAL	F.P.	REFS	1	DEFINED	1
00	F	REAL	F.P.	REFS	383	DEFINED	1
33	G	REAL	F.P.	REFS	2	DEFINED	1
32	ROOT	REAL		REFS	483	DEFINED	2
				DEFINED	1		

STATISTICS	PROGRAM	LENGTH	CM USED
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348	28
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1      SUBROUTINE SATXN(RS,F)
      THIS PROGRAM DETERMINES THE SATURATION EXTENT, RSM OR THE MERGING
      FACTOR XM, FOR MERGING PLUMES IN WHICH MOISTURE PARTICIPATES
      IN MERGING FOR ALL REGIONS OF INTEREST WITHIN THE ZFC
5      INDIC IS USED AS AN INDICATOR OF RS, RSM, XM, AS IT IS ASSIGNED
      VALUES 1, 2, OR 3 RESPECTIVELY.
      DIMENSION F(6),N11(10)
      COMMON/AND/T12,C10,T10,P10,SA,AL,BE,FA,B1,FBL,AMU,ALT,SATU1,
      1PHI,DEL,WF,AM
10     COMMON/OUT/L,TM1,TM2,M,Z,SNEW,DS,R,K,N11,J3,J2,J5,JJ,SPACE,SIGMA
      1,GAHHA,CO,AY,XXX,RT,RSR,XM,INDIC,SATU,J19,WATER
      IF(L-2) 1,2,1
15     1 DCO=1-C10-T1282
      DTO=1-T10-T1282
      RMERG=(F(3)+RS)/F(4)
      RMARG=(SPACE-F(4)-F(3))/F(4)
      GO TO 3
20     2 DCO=F(3)
      DTO=F(2)
      RMERG=RS/F(4)
      RMARG=SPACE/F(4)-1
      DT1=T1282
      T1=T10+T1282
      AMU=AM/(T10T10)
25     IF(RS.LE.0) GO TO 10
      IF(RMARG.GE.RMERG) GO TO 40
      INDIC=1
      RETURN
30     40 SATU=SATU1*EXP(RMURDY1+ALY82/T10)
      AMU=AM/(T18T1)
      DCP=DCO/(1-C10)
      RMURDT=RMURDT0
      FIRST APPLICATION OF HALF INTERVAL METHOD OF ROOT FINDING
35     RMIN = 0.0000000001
      RMAX = 1
      KOUNT = 0
      ZL = ROOT1(DCP,C10,RMURDT,SATU,PHI,RMIN)
      ZR = ROOT1(DCP,C10,RMURDT,SATU,PHI,RMAX)
      RSUB = (RMIN+RMAX)*.5
40     ZL1 = ZL
      ZR1 = ROOT1(DCP,C10,RMURDT,SATU,PHI,RSUB)
      IF(ZL1ZR1.GT.0.) GO TO 103
104    KOUNT = KOUNT + 1
      RMAX = RSUB
      RSUB = (RMIN+RMAX)*.5
45     IF(KOUNT.GE.15) GO TO 107
      GO TO 101
103    KOUNT = KOUNT + 1
      RMIN = RSUB
      RSUB = (RMIN+RMAX)*.5
50     ZL1 = ZR1
      IF(KOUNT.GE.15) GO TO 107
      ZR1 = ROOT1(DCP,C10,RMURDT,SATU,PHI,RSUB)
      IF(ZL1ZR1.GT.0.) GO TO 103
55     GO TO 104
107    REM = RSUB
      REMIN = 2.*Y-(RMARG+Y-SPACE/(Z-RTF(4)))/WVI*5*82
      IF(REM.LE.REMIN) GO TO 55
      INDIC = 2
60     C NOW BACK SOLVE FOR RSM
      SPI = SPACE/F(4)
      RSMIN = RS
      RSMAX = SPI/2.
      KONT = 0
65     RZL = ROOT2(REM,SPI,RSMIN)
      RZR = ROOT2(REM,SPI,RSMAX)
      RSHSUB = (RSMIN+RSMAX)*.5
      RZL1 = RZL
      RZR1 = ROOT2(REM,SPI,RSHSUB)
70     IF(RZL1RZR1.GT.0.) GO TO 203
204    KONT = KONT + 1
      RSMAX = RSHSUB
      RSHSUB = (RSMIN+RSMAX)*.5
      IF(KONT.GE.15) GO TO 207
75     GO TO 201
203    KONT = KONT + 1
      RSMIN = RSHSUB
      RSHSUB = (RSMIN+RSMAX)*.5
      RZL1 = RZR1

```

```

DECK6 1
DECK6 2
DECK6 3
DECK6 4
DECK6 5
DECK6 6
DECK6 7
DECK6 8
DECK6 9
DECK6 10
DECK6 11
DECK6 12
DECK6 13
DECK6 14
DECK6 15
DECK6 16
DECK6 17
DECK6 18
DECK6 19
DECK6 20
DECK6 21
DECK6 22
DECK6 23
DECK6 24
DECK6 25
DECK6 26
DECK6 27
DECK6 28
DECK6 29
DECK6 30
DECK6 31
DECK6 32
MOD16 1
MOD22 1
MOD16 3
MOD16 4
MOD16 5
MOD16 6
MOD16 7
MOD16 8
MOD16 9
MOD16 10
MOD16 11
MOD16 12
MOD16 13
MOD16 14
MOD16 15
MOD16 16
MOD16 17
MOD16 18
MOD16 19
MOD16 20
MOD16 21
MOD16 22
MOD16 23
MOD16 24
MOD16 25
MOD16 26
MOD16 27
MOD16 28
MOD16 29
MOD16 30
MOD16 31
MOD16 32
MOD16 33
MOD16 34
MOD16 35
MOD16 36
MOD16 37
MOD16 38
MOD16 39
MOD16 40
MOD16 41
MOD16 42
MOD16 43
MOD16 44
MOD16 45
MOD16 46
MOD16 47

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MOD16	48
MOD16	49
MOD16	50
MOD16	51
MOD16	52
MOD16	53
MOD16	54
MOD16	55
MOD16	56
DECK6	80
DECK6	81
DECK6	82
DECK6	83

ENTRY 3	POINTS SATEXM	DEF LINE 1	REFERENCES 28	85	88	91												
VARIABLES	SM	TYPE	RELLOCATION															
6	AL	REAL	AMB		REFS	8												
14	ALT	REAL	AMB		REFS	8												
43	A7	REAL	OUT		REFS	10	29											
7	BE	REAL	AMB		REFS	8												
42	CD	REAL	OUT		REFS	10												
2	C10	REAL	AMB		REFS	8												
1	C12	REAL	AMB		REFS	8												
270	DCO	REAL	AMB		REFS	31	13	31	37	38	41	53						
278	DCP	REAL	OUT		REFS	37	13	13	18	53	DEFINED	31						
17	DEL	REAL	AMB		REFS	8												
6	DS	REAL	OUT		REFS	10												
279	DTI	REAL	OUT		REFS	29	DEFINED	22	19									
271	DYO	REAL	OUT		REFS	32	DEFINED	14	18									
0	F	REAL	ARRAY	F. P.	REFS	7	2815	3816	18	19	20	21						
10	FB	REAL	AMB		REFS	61	84	DEFINED	1									
12	FBL	REAL	AMB		REFS	8												
5	GA	REAL	AMB		REFS	8												
41	GAMMA	REAL	OUT		REFS	10												
1	H	REAL	OUT		REFS	10												
50	INDIC	INTEGER	OUT		REFS	10	DEFINED	27	59	87	89							
36	JJ	INTEGER	OUT		REFS	10												
52	J19	INTEGER	OUT		REFS	10												
39	J4	INTEGER	OUT		REFS	10												
33	J3	INTEGER	OUT		REFS	10												
35	J5	INTEGER	OUT		REFS	10												
10	K	INTEGER	OUT		REFS	10												
315	KONT	INTEGER	OUT		REFS	71	74	76	80	DEFINED	64	71						
302	KOUNT	INTEGER	OUT		REFS	43	46	48	52	DEFINED	36	43						
11	L	INTEGER	OUT		REFS	10	12											
16	PHI	REAL	AMB		REFS	8	10											
4	P10	REAL	AMB		REFS	8	37	38	41	53								
7	P	REAL	OUT		REFS	10												

STATISTICS			
PROGRAM LENGTH	3230	211	
CM LABELED COMMON LENGTH	760	62	
520000 CM USED			

1

FUNCTION ROOT1(A,B,C,D,E,F)
 ROOT1 = A*B - ((1.-E)*D + D*(C*(1. + C*(F*(5*(1. + C*(F/3.)))))/(1.-B))
 RETURN
 END

MOD16 57
 MOD16 59
 MOD16 60
 MOD16 60

SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS	DEF LINE	REFERENCES
4 ROOT1	1	3

VARIABLES	SN	TYPE	RELOCATION	REFS	2	DEFINED	1
0 A		REAL	F.P.	REFS	2	DEFINED	1
0 B		REAL	F.P.	REFS	2	DEFINED	1
0 C		REAL	F.P.	REFS	382	DEFINED	1
0 D		REAL	F.P.	REFS	282	DEFINED	1
0 E		REAL	F.P.	REFS	2	DEFINED	1
0 F		REAL	F.P.	REFS	482	DEFINED	1
27 ROOT1		REAL		DEFINED	2		

STATISTICS

PROGRAM	LENGTH	308	24
520008	CM USED		

1

```

FUNCTION ROOT2(A,B,C)
  ROOT2 = A-((1.-C*81.5)*882+(1.-(B-C)*81.5)*882)
  RETURN
END

```

```

MOD16 61
MOD16 62
MOD16 63
MOD16 64

```

SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS	DEF LINE	REFERENCES
4 ROOT2	1	3

VARIABLES	SN	TYPE	RELOCATION	REFS	2	DEFINED	1
D A		REAL	F.P.	REFS	2	DEFINED	1
D B		REAL	F.P.	REFS	2	DEFINED	1
D C		REAL	F.P.	REFS	282	DEFINED	1
24 ROOT2		REAL		DEFINED	2		

STATISTICS
PROGRAM LENGTH
520000 CM USED

258 21


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1      SUBROUTINE OUTP(S,F,FP,IM,N,PRNT)
      COMMON/PO7/111,111Y,1111,1L,1LL
      COMMON/OUT/L,TH1,TH2,W,Z,S1,DS,R,K,N11,J3,J2,J5,JJ,SPACE,SIGMA
      1  COMMON/CO/27,XXX,SS,SSM,XM,INDIC,SATU,119,WATER
5      COMMON/ANS/T12,C12,C10,T10,P10,GA,AL,BE,FR,R1,FRL,RMU,ALT,SATU1,
      1PHI,DEL,WF,RM
      COMMON/ZF9/SET,XE,YE,ZE,BBE,DCE,DTE,LCNT,RUE,T1E,T2E,RSE
      COMMON/SIG95/11,B,R1
      COMMON/PLTE/J6,J7,J8,J9,J10,X1M,Y1M,X2M,Y2M,Y3M
10     DIMENSION F(6),FP(6),PRNT(5),SO(4),SN(4),N11(18)
      INTEGER O
      1=111
      P11=3.141592654
      IF(L) 6,8,7
15     6      L=0
      L19=0
      N1=-1
      M2=0
      Z1=-DS
      SMEN=PRNT(1)
20     SM(1)=SIN(T1E)
      SM(2)=SIN(T2E)
      SM(3)=COS(T1E)
      SM(4)=COS(T2E)
25     TIME=SET
      M3 = J5
      J5 = M3
      C WATER IS SET BY DERIV, DERIV1 AND REPRESENTS S(SIGMA)DA/PSIP
30     X=XE
      Y=YE
      Z=ZE
      UCC=1.0
      SI=PRNT(1)
      T3=T10
35     IF(T10-1.) 63,64,63
      64     T3=0.0
      63     GO TO 10
      L=1
      SMEN=DS+S1
40     SO(1)=SN(1)
      SO(2)=SN(2)
      SO(3)=SN(3)
      SO(4)=SN(4)
      7      IF(M2) 18,18,19
45     19     DS=S-SMEN
      IF(S-S1-1.) 83,1,1
      18     IF(S-SMEN) 20,1,1
      20     IF(ABS(S-SMEN)-.001*SMEN) 1,1,83
      1      SN(1)=SIN(F(5))
50     SN(2)=SIN(F(6))
      SN(3)=COS(F(5))
      SN(4)=COS(F(6))
      X=X+.58*(SN(3)*SN(4)+SO(3)*SO(4))*S(S-S1)
      Y=Y+.58*(SN(1)*SN(4)+SO(1)*SO(4))*S(S-S1)
55     Z1=Z
      Z=X+.58*(SN(2)+SO(2))*S(S-S1)
      DO 9 0=1,4
      9      SO(0)=SN(0)
60     10     P12=-BERT12-GA8C12-AL
      T1=T10+T1282
      C1=C10+C1282
      P1=P10+P1282
      R14=8*SN(1)*SN(4)
      DLU=F(1)
65     DCL=DLU*R14
      DTCL=F(2)
      DCCL=F(3)
      R=F(4)
      SIGMA=0
70     DELU=DLU/(1.-R3)
      DELT=DTCL/(1.-T31)
      DELC=0.0
      DENOM=Y-C10
      IF(DENOM.EQ.0.) DELC=DCCL/DENOM
75     RMU=RM/(T108T10)
      SATU=SATU1*EXP(RMU8T12+ALT/T10)
      TT = T10 + T1282
      RMU=RM/(T18T1)
      WATER=DELC-(1.-PHI)*SATU+SATUR(RMU8F(2)*S(1.+RMU8F(2)*S+RMU8F(2)

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DECK7 1
DECK7 2
DECK7 3
DECK7 4
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DECK7	78
MOD12	79
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MOD16	95
DECK7	96
MOD1	97
DECK7	98
DECK7	99
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DECK7	102
DECK7	103
DECK7	104
DECK7	105
MOD8	106
DECK7	107
DECK7	108
DECK7	109
DECK7	110
MOD16	111
DECK7	112
DECK7	113
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DECK7	146
DECK7	147
MOD19	148
DECK7	149
DECK7	150
DECK7	151
DECK7	152
DECK7	153

DECK?	154
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DECK?	156
DECK?	157
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DECK?	161
DECK?	162
DECK?	163
DECK?	164

VARIABLES	AL	SN	TYPE	RELOCATION	REFS	59	74	88	89	DEFINED	68
13	AL		REAL	AMB	REFS	59					
43	ALT		REAL	AMB	REFS	74					
610	0		REAL	OUT	REFS	69					
4	00E		REAL	ZF9	REFS	7					
7	0E		REAL	AMB	REFS	5					
42	CO		REAL	OUT	REFS	4					
601	C1	*	REAL		DEFINED	61					
2	C10		REAL	AMB	REFS	5					
1	C12		REAL	AMB	REFS	5					
607	DCCL		REAL		REFS	74					
5	DCE		REAL	ZF9	REFS	7					
17	DEL		REAL	AMB	REFS	5					
613	DELC		REAL		REFS	79					
612	DELY		REAL		REFS	98					
611	DELU		REAL		REFS	98					
614	DENOM		REAL		REFS	2874					
604	DLU		REAL		REFS	65					
6	DS		REAL	OUT	REFS	4					
606	DTCL		REAL		DEFINED	45					
8	DTE		REAL	ZF9	REFS	71					
0	F		REAL	ARRAY	REFS	7					
0	FP		REAL	ARRAY	REFS	10					
10	FR		REAL	F. P.	REFS	68					
12	FRL		REAL	AMB	REFS	5					
616	FSS		REAL	AMB	REFS	5					
617	F66		REAL		REFS	98					
5	GA		REAL	AMB	REFS	98					
41	GAHHA		REAL	OUT	REFS	5					
3	H		REAL	OUT	REFS	5					
562	I	*	INTEGER		DEFINED	12					
0	IM		INTEGER	F. P.	REFS	1					
0	II		INTEGER	PTN95	REFS	1					
0	III		INTEGER	PA7	REFS	22					
1	IIII		INTEGER	PA7	REFS	22					
2	IIII		INTEGER	PA7	REFS	22					
3	ILL		INTEGER	PA7	REFS	22					
4	ILL		INTEGER	PA7	REFS	22					
50	INDIC		INTEGER	OUT	REFS	22					
36	J1		INTEGER	OUT	REFS	22					
52	J10		INTEGER	OUT	REFS	22					
34	J19		INTEGER	OUT	REFS	22					
33	J2		INTEGER	OUT	REFS	22					
35	J3		INTEGER	OUT	REFS	22					
0	J6		INTEGER	OUT	REFS	22					
1	J7		INTEGER	OUT	REFS	22					
2	J8		INTEGER	OUT	REFS	22					
4	J9		INTEGER	OUT	REFS	22					
10	K		INTEGER	OUT	REFS	22					
0	L		INTEGER	OUT	REFS	22					
7	LCNT		INTEGER	ZF9	REFS	7					
564	LT9		INTEGER		REFS	92					
1	M		INTEGER	STR95	REFS	8					
631	NEXT		INTEGER		REFS	151					

VAR	BOLES	SN	TYPE	RELOCATION	REFS	101	125	DEFINED	17	101	119	126
565	M1		INTEGER		REFS	101	125	DEFINED	17	101	119	126
566	M2		INTEGER		REFS	44	116	129	148	166		
572	M3		INTEGER		REFS	27	110	115	DEFINED	26	114	
0	N		INTEGER	UNUSED	DEFINED							
11	N11		INTEGER	OUT	REFS	1	10	154				
561	O		INTEGER		REFS	1	288	DEFINED	67			
616	PCL		REAL		REFS	8	89	106	DEFINED	82		
16	PMI		REAL	AMB	REFS	8	79					
602	PI		REAL		REFS	8	88	89	98	106		
626	PICL		REAL		REFS	117	DEFINED	106				
627	PICLO		REAL		REFS	117	DEFINED	107				
563	PI1		REAL		REFS	1						
577	PI2		REAL	AMB	REFS	1	62	88	89	107		
0	PRNT		REAL	ARRAY	DEFINED	10	DEFINED	89				
7			REAL		REFS	1	131	138	162	167		
21	RA		REAL	OUT	REFS	1	61					
13	RAU		REAL	AMB	REFS	1	76	78				
46	RS		REAL	OUT	REFS	1	76	3879	DEFINED	75	78	
13	RSE		REAL	OUT	REFS	1	81	97				
626	RSH		REAL	OUT	REFS	1						
10	RSO		REAL		REFS	9	DEFINED	97				
10	RUE		REAL	ZF9	REFS	9						
11	R7		REAL	AMB	REFS	1						
603	R14		REAL		REFS	6	DEFINED	63				
2	R3		REAL	STR95	REFS	4	70					
0	S		REAL	F. P.	REFS	4	46	47	48	53	54	56
51	SAYU		REAL	OUT	REFS	1	146	151	DEFINED	1		
16	SATU1		REAL	AMB	REFS	1	2879	109	76			
10	SET		REAL	ZF9	REFS	1	26					
10	SIGMA		REAL	OUT	REFS	1	26					
636	SH		REAL	ARRAY	REFS	10	40	151	DEFINED	69		
570	SNEH		REAL		REFS	50	2863	DEFINED	21	22	2853	2854
632	SO		REAL	ARRAY	REFS	10	51	52	145	162		
621	S00		REAL		REFS	43	39	2854	56	DEFINED	40	41
37	SPACE		REAL	OUT	REFS	98	DEFINED	93				
5	S1		REAL	OUT	REFS	3	39	46	53	54	56	86
1	TH1		REAL	OUT	REFS	1	146					
2	TH2		REAL	OUT	REFS	1						
600	T1		REAL		REFS	2878	DEFINED	60	77			
571	TIME		REAL		REFS	86	98	DEFINED	25	86		
1	T10		REAL	AMB	REFS	1	34	35	60	2875	76	77
0	T12		REAL	AMB	REFS	1	59	60	76	77		
11	T1E		REAL	ZF9	REFS	1	21	23				
12	T2E		REAL	ZF9	REFS	1	22	24				
578	T31		REAL		REFS	71	DEFINED	34	36			
578	UCC		REAL		REFS	85	DEFINED	32	147	DEFINED	65	
605	UCL		REAL		REFS	85	88	2889				
620	UMA		REAL		REFS	86	DEFINED	85				
630	VISIB		REAL		REFS	111	DEFINED	108				
53	WATER		REAL	OUT	REFS	1	2882	98	111	DEFINED	79	81
20	WF		REAL	AMB	REFS	5						
573	X		REAL		REFS	53	94	151	DEFINED	29	53	
1	XE		REAL	ZF9	REFS	1	29					
47	XM		REAL	OUT	REFS	1						
622	XO		REAL		REFS	98	DEFINED	94				
44	XXX		REAL	OUT	REFS	1						
5	X1M		REAL	PLTE	REFS	1						
7	X2M		REAL	PLTE	REFS	1						
574	Y		REAL		REFS	54	95	151	DEFINED	30	54	
2	YE		REAL	ZF9	REFS	7	30					
623	YO		REAL		REFS	98	DEFINED	95				
6	Y1M		REAL	PLTE	REFS	1						
10	Y2M		REAL	PLTE	REFS	1						
11	Y3M		REAL	PLTE	REFS	1						
4	Z		REAL	OUT	REFS	1						
3	ZE		REAL	ZF9	DEFINED	128	55	56	60	61	62	77
					REFS	31	130	137	151	167		
						7	56					
							31					

VARIABLES SN TYPE RELOCATION

VARIABLES	SN	TYPE	RELOCATION	REFS	98	DEFINED	96	19	55
624 20		REAL			130	167	DEFINED		
567 21		REAL							

FILE NAMES

MODE

FILE NAMES	OUTPUT	FMT	WRITES	98	112	122	133	154	156
EXTERNALS									
COS		REAL							
EXP		REAL							
EXTR									
SIN		REAL							

EXTERNALS TYPE ARGS REFERENCES

EXTERNALS	TYPE	ARGS	REFERENCES	24	51	52
COS	REAL	1 LIBRARY	21			
EXP	REAL	1 LIBRARY	76			
EXTR		8	151			
SIN	REAL	1 LIBRARY	21	22	49	50

INLINE FUNCTIONS TYPE ARGS DEF LINE REFERENCES

INLINE FUNCTIONS	TYPE	ARGS	DEF LINE	REFERENCES	48	2888	167
ABS	REAL	1 INTRIN					
SIGN	REAL	2 INTRIN		28117			

STATEMENT LABELS

DEF LINE REFERENCES

STATEMENT LABELS	DEF LINE	REFERENCES	2847	2848
72 1	49	2846		
371 2	161	153		
347 3	155	28128	28137	
0 4	138	137		
0 6	15	14		
55 7	44	14		
44 8	38	14		
0 9	58	57		
127 10	59	37		
0 13	154	28153		
64 18	47	2844		
0 19	45	44		
0 20	48	47		
0 21	131	130		
0 31	129	128		
0 32	126	125		
325 36	128	28125		
0 40	117	28116		
0 41	118	28117		
321 42	126	116	117	
0 51	149	148		
362 52	153	28148		
41 63	37	2835		
0 64	36	35		
0 70	93	2892		
270 71	105	92		
271 72	106	104		
600 80	166	28162		
375 81	163	136	144	162
407 83	168	46	48	28136
0 84	162	161		28144
0 85	167	166		28161
340 90	137	28129	28130	28166
0 91	130	129		28167
442 104	100	98		
0 110	88	87		
247 111	91	2887		
251 112	92	88	90	
0 113	89	2888		
520 207	155	154		
527 208	157	156		
502 212	134	133		
465 213	123	122		
0 500	111	28110		
307 501	116	109	110	111
0 502	112	28111		
453 503	113	112		

LOOPS LABEL INDEX FROM-TO LENGTH PROPERTIES OPT

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES	OPT
123	9	0	57 58	38		

COMMON BLOCKS LENGTH MEMBERS - BTNS NAME(LENGTH)

COMMON BLOCKS	LENGTH	MEMBERS	BTNS	NAME(LENGTH)
P87	5	0	111	(1)
		3	11	(1)
		0	L	(1)
OUT	44	4	N	(1)
		6	DS	(1)
		9	N11	(18)
		29	JS	(1)
		32	STGWA	(1)
		35	A7	(1)
		38	RSN	(1)
		1	111Y	(1)
		4	11L	(1)
		1	TM1	(1)
		4	Z	(1)
		7	R	(1)
		27	J3	(1)
		30	JJ	(1)
		33	GAHHH	(1)
		36	XXX	(1)
		39	XN	(1)
		2	1111	(1)
		5	SI	(1)
		2	TM2	(1)
		8	K	(1)
		28	J2	(1)
		31	SPACE	(1)
		34	CD	(1)
		37	RS	(1)
		40	INDIC	(1)

COMMON BLOCKS	LENGTH	MEMBERS	SBS NAME(LENGTH)						
AMB	12	41	SATU (1)	42	J19 (1)	43	WATER (1)		
		0	T12 (1)	1	C12 (1)	2	C10 (1)		
		3	T10 (1)	4	P10 (1)	5	CGR (1)		
		4	BL (1)	6	SE (1)	7	RR (1)		
		9	BLT (1)	10	REL (1)	11	RMU (1)		
		12	DEL (1)	13	SATU1 (1)	14	PHI (1)		
ZF9	12	15	DEL (1)	16	MT (1)	17	RM (1)		
		18	DEL (1)	1	NE (1)	2	YE (1)		
		6	OTIE (1)	4	BBE (1)	5	OLE (1)		
		9	OTIE (1)	7	LCNT (1)	8	RUE (1)		
STR95	3	10	OTIE (1)	10	T2E (1)	1	RSE (1)		
PLYE	10	0	LI (1)	1	H (1)	2	BL (1)		
		0	J6 (1)	1	J7 (1)	3	J8 (1)		
		3	J9 (1)	4	J10 (1)	4	X1H (1)		
		6	Y1H (1)	7	X2H (1)	5	Y2H (1)		
		9	Y3H (1)			8	Y2H (1)		

STATISTICS
PROGRAM LENGTH 6428 418
CM LABELED COMMON LENGTH 1348 92
520008 CM USED

1	SUBROUTINE DERIV(S,F,FP)	DECK8	1
	DIMENSION F(6),FP(6),N11(18),A(4,4),A2(2,2),A3(3,3)	DECK8	2
	COMMON/PB7/111,111Y,111Y,1111,11L,11L	DECK8	3
	COMMON/PA8/T12,C12,C10,T10,P10,CA,AL,DE,FA,R1,FAL,AMU,ALT,SATU1	DECK8	4
5	1PM1,DEL,HF,AM	DECK8	5
	COMMON/OUT/L,TH1,TH2,H,Z,SOLD,DS,R,KK,N11,J3,J2,J5,JJ,SPACE,SIGMA	MOD1	1
	1,GAHMA,CD,A7,XXX,RS,RSM,XM,INDIC,SATU,J19,WATER	DECK8	7
	COMMON/PAR1/T11011,T11012,T11013,T11021,T11022,T11023,T1103	DECK8	8
10	T11104,T11105,T11106,T11107,T11108,T11109,T11110,T11111,T11112,T11113	DECK8	9
	T11114,T11115,T11116,T11117,T11118,T11119,T11120,T11121,T11122,T11123	DECK8	10
	T11124,T11125,T11126,T11127,T11128,T11129,T11130,T11131,T11132,T11133	DECK8	11
	T11134,T11135,T11136,T11137,T11138,T11139,T11140,T11141,T11142,T11143	DECK8	12
	T11144,T11145,T11146,T11147,T11148,T11149,T11150,T11151,T11152,T11153	DECK8	13
15	T11154,T11155,T11156,T11157,T11158,T11159,T11160,T11161,T11162,T11163	DECK8	14
	T11164,T11165,T11166,T11167,T11168,T11169,T11170,T11171,T11172,T11173	DECK8	15
	T11174,T11175,T11176,T11177,T11178,T11179,T11180,T11181,T11182,T11183	DECK8	16
	T11184,T11185,T11186,T11187,T11188,T11189,T11190,T11191,T11192,T11193	MOD2	1
	T11194,T11195,T11196,T11197,T11198,T11199,T11200,T11201,T11202,T11203	DECK8	18
20	T11204,T11205,T11206,T11207,T11208,T11209,T11210,T11211,T11212,T11213	DECK8	19
	T11214,T11215,T11216,T11217,T11218,T11219,T11220,T11221,T11222,T11223	DECK8	20
	T11224,T11225,T11226,T11227,T11228,T11229,T11230,T11231,T11232,T11233	DECK8	21
	T11234,T11235,T11236,T11237,T11238,T11239,T11240,T11241,T11242,T11243	DECK8	22
	T11244,T11245,T11246,T11247,T11248,T11249,T11250,T11251,T11252,T11253	DECK8	23
25	T11254,T11255,T11256,T11257,T11258,T11259,T11260,T11261,T11262,T11263	DECK8	24
	T11264,T11265,T11266,T11267,T11268,T11269,T11270,T11271,T11272,T11273	DECK8	25
	T11274,T11275,T11276,T11277,T11278,T11279,T11280,T11281,T11282,T11283	DECK8	26
	T11284,T11285,T11286,T11287,T11288,T11289,T11290,T11291,T11292,T11293	DECK8	27
	T11294,T11295,T11296,T11297,T11298,T11299,T11300,T11301,T11302,T11303	DECK8	28
30	T11304,T11305,T11306,T11307,T11308,T11309,T11310,T11311,T11312,T11313	MOD2	2
	T11314,T11315,T11316,T11317,T11318,T11319,T11320,T11321,T11322,T11323	MOD1	1
	T11324,T11325,T11326,T11327,T11328,T11329,T11330,T11331,T11332,T11333	DECK8	31
	T11334,T11335,T11336,T11337,T11338,T11339,T11340,T11341,T11342,T11343	DECK8	32
	T11344,T11345,T11346,T11347,T11348,T11349,T11350,T11351,T11352,T11353	MOD2	3
35	T11354,T11355,T11356,T11357,T11358,T11359,T11360,T11361,T11362,T11363	DECK8	34
	T11364,T11365,T11366,T11367,T11368,T11369,T11370,T11371,T11372,T11373	DECK8	35
	T11374,T11375,T11376,T11377,T11378,T11379,T11380,T11381,T11382,T11383	DECK8	36
	T11384,T11385,T11386,T11387,T11388,T11389,T11390,T11391,T11392,T11393	DECK8	37
	T11394,T11395,T11396,T11397,T11398,T11399,T11400,T11401,T11402,T11403	DECK8	38
40	T11404,T11405,T11406,T11407,T11408,T11409,T11410,T11411,T11412,T11413	DECK8	39
	T11414,T11415,T11416,T11417,T11418,T11419,T11420,T11421,T11422,T11423	DECK8	40
	T11424,T11425,T11426,T11427,T11428,T11429,T11430,T11431,T11432,T11433	DECK8	41
	T11434,T11435,T11436,T11437,T11438,T11439,T11440,T11441,T11442,T11443	DECK8	42
	T11444,T11445,T11446,T11447,T11448,T11449,T11450,T11451,T11452,T11453	DECK8	43
45	T11454,T11455,T11456,T11457,T11458,T11459,T11460,T11461,T11462,T11463	DECK8	44
	T11464,T11465,T11466,T11467,T11468,T11469,T11470,T11471,T11472,T11473	DECK8	45
	T11474,T11475,T11476,T11477,T11478,T11479,T11480,T11481,T11482,T11483	DECK8	46

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80      IF (ERGE.GT.0.) GO TO 10
        E=(E1+E2+S28FRL1)*F(4)*ABS(F(1))*8(1.-ENR(4)/SPACE)+
        1E3BF(4)*RBSORT(1.-S12.8S12))
        IF (SATH1.EQ.0.) GO TO 18
      15 CALL SATEX1(RS,F)
        CALL PRARME (F)
        D31 = .2571428
        AX.A = 1.338144
        R(1,1)=D318.58F(4)8F(4)
        R(1,4)=D318F(4)8F(1)+F(4)8R12
      90      RXX = RXX8F(1) + D318R12
        R(2,1) = RXX.58F(4)8F(2)
        R(2,2) = .58F(4)8F(4)8RXX
        R(2,4)=F(4)8F(2)8RXX
        R(3,1) = RXX.58F(4)8F(4)8F(3)
      95      R(3,2)=F(4)8F(4)8.518.58RXX
        R(3,4)=F(3)8F(4)8RXX
        R(4,1) = F(4)8F(4)8(RXX)
        R(4,4)=F(4)8(RXX8F(1)8F(1)+2.8D318F(1)8R12+R128R12)
        R(1,3)=R(1,2)+R(2,3)+R(3,2)+R(4,2)+R(4,3)+D.0
      100      FP(1)=E
        FP(2)=-S28(T12+8AMMA)8(D318F(1)+R12)8.58F(4)8F(4)+VT1
        FP(3)=-S28C128(D318F(1)+R12)8.58F(4)8F(4)+VC1
        Q = R(4,4)8F(4)8.5
      105      1-258E8E-VUI
        IF (FR-.98E+6) 16,17,17
      110      16 FB=D318.58F(4)8F(4)8(8E8F(2)+G88F(3))/(FR8(P10-1.))
        GO TO 18
      17 FB=0.0
      18 FP(4)=E8R12+FB8S2-VUI
        J=4
      115      IF (SATH1.NE.0.) GO TO 19
      70      IF (DCO.EQ.0.) AND (DT0.EQ.0.) GO TO 20
        IF (DT0.EQ.0.) GO TO 6
        IF (DCO.EQ.0.) GO TO 21
      115      CALL SING(R,FP,J,K)
        GO TO 7
      20      J=2
        R2(1,1)=R(1,1)
        R2(1,2)=R(1,4)
      120      R2(2,1)=R(4,1)
        R2(2,2)=R(4,4)
        FP(2)=FP(4)
        CALL SING(R2,FP,J,K)
        GO TO 7
      125      21 J=3
        R3(1,1)=R(1,1)
        R3(1,2)=R(1,2)
        R3(1,3)=R(1,4)
        R3(2,1)=R(2,1)
      130      R3(2,2)=R(2,2)
        R3(2,3)=R(2,4)
        R3(3,1)=R(4,1)
        R3(3,2)=0.0
        R3(3,3)=R(4,4)
      135      FP(3)=FP(4)
        CALL SING(R3,FP,J,K)
        GO TO 7
      6      J = 3
        R3(1,1)=R(1,1)
      140      R3(1,2)=R(1,3)
        R3(1,3)=R(1,4)
        R3(2,1)=R(3,1)
        R3(2,2)=R(3,3)
        R3(2,3)=R(3,4)
      145      R3(3,1)=R(4,1)
        R3(3,2)=0.0
        R3(3,3)=R(4,4)
        FP(2)=FP(3)
        FP(3)=FP(4)
      150      CALL SING(R3,FP,J,K)
      7      IF (K) 8,9,8
      9      IF (J-3) 131,132,136
      131 FP(4)=FP(2)
        FP(3)=0.0
      155      FP(2)=0.0
        GO TO 136
      132 IF (DCO.NE.0.) GO TO 134
        FP(4)=FP(3)

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DECK8 150

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160      FP(3)=0.0
      GO TO 136
134      FP(4)=FP(3)
      FP(1)=FP(2)
      FP(2)=0.0
136      UNX=-(C2882.8C1851)
      UNY=S2882.+(C2882.8C1882.
      UNZ=-(S28C2851)
      UN=SQRT(UNX*UNX+UNY*UNY+UNZ*UNZ)
      CDP=CD8F(4)*8F(4)/SPACE
      IF (RERGE.GT.0) CDP=CD8SPACE
170      FD=CDP*RRRZUM/6.2832
      FDY=0.0
      YY=ABS(C18C2)
      IF (YY.GT.0.) FDY=FD8(S2852+(C28C28C18C1-S18S18S2852)/(Q8C18C2)
      FP(5)=EXP(C1/(Q8C2))+FDY
175      FP(6)=(F8C2-(E8R+FD)8S1852)/Q
      KK=KK+1
      RETURN
      WRITE(6,100)
100      FORMAT(1H0,"SINGULAR MATRIX-EXECUTION TERMINATED AT THIS POINT")
      GO TO 900
19      IF (RS.LE.0) GO TO 70
      R(2,1)=R(2,1)+F(4)*8F(4)*8.58F8((1.-PHI)*8D7+D19C)*8SATU+F(3)
      R(2,2)=R(2,2)+.58F(4)*8F(4)*8F8SATU8(F(1)*8G(RHURF(2),D8,D9,D10)
185      +R128G(RHURF(2),D7,D8,D9))
      R(2,3)=MF8.58F(4)*8F(4)*8(F(1)*8D15+8(28D17)
      R(2,4)=R(2,4)+.58F(4)*8F8(F(1)*8(F(3)*8D34-SATU8((1.-PHI)*8D33
1+D59C))*8RS/F(4)+R128(F(3)*8D33-SATU8((1.-PHI)*82.8RS/F(4)+D61C))
      28RS/F(4))+MF8F(4)*8D12
190      FP(2)=FP(2)-MF8C128528F(4)*8F(4)*8.58(F(1)*8D31+R12)-MF8.58F(4)
      18F(4)*8S108528(RHURF(2)*8LT7/T10)*8(F(1)*8((1.-PHI)*8D7+D19C)*8T2
      28((1.-PHI)*8RS8RS/F(4)/F(4)+D20C))-RHURF(2)/T182.8(F(1)*8G(RHUR
      3F(2),D8,D9,D10)+R128G(RHURF(2),D7,D8,D9))
      IF (F8-.98E+6) 25,26,26
195      25 FB=.58F(4)*8F(4)*8(8E8F(2)*8D31+8W8D3C+DEL8DD7)/(FR8(P10-1.))
      GO TO 27
      26 FB=0.0
      27 FP(4)=EXP(12*F8852-VU1
      J=4
200      GO TO 70
10      E=(E1+E28528FAL1)*8(F(4)*8ABS(F(1))*8(1.-E48.5)*8(1.-2./3.141592
188COS(8PACES.5/F(4)))+E18SPACE8.58R8SQRT(1.-S128S12))
      IF (NEWSET.EQ.0.) GO TO 30
      IF (SATU1.EQ.0) GO TO 31
205      CALL SATX1(RS,F)
      CALL SATX1(RS,F)
31      IF (SATU1.EQ.0) INDIC=1
      CALL PARAM3(F,INDIC)
      Q=(T11398F(1)*8F(1)+2.8F(1)*8R128T1140+R128R128.58T13)*8F(4)*8F(4)
210      1-25858E-VU1
      R(1,1)=F(4)*8F(4)*8(F(1)*8T1140+R128.58T13)
      R(1,1)=F(4)*8F(4)*8T1140
      R(1,4)=F(4)*8(F(1)*8TJJ28+R128(T13+TJJ38.5))
      R(2,1)=F(2)*8F(4)*8F(4)*8T1139
215      R(2,2)=F(4)*8F(4)*8F(1)*8T1139+R128T1140
      R(2,4)=F(4)*8F(2)*8(F(1)*8TJJ27+R128TJJ28)
      R(3,1)=F(4)*8F(4)*8T11398F(3)
      R(3,3)=F(4)*8F(4)*8(F(1)*8T1139+R128T1140)
      R(3,4)=F(4)*8F(3)*8F(1)*8TJJ27+R128TJJ28
220      R(4,1)=F(4)*8F(4)*82.8(F(1)*8T1139+R128T1140)
      R(4,4)=F(4)*8(F(1)*8F(1)*8TJJ27+2.8R128F(1)*8TJJ28+R128R128(T13
      1+TJJ38.5))
      R(1,2)=R(1,3)=R(2,3)=R(3,2)=R(4,2)=R(4,3)=0.0
      FP(1)=E
225      FP(2)=-S28(T12+GAMMA)*8R1+VT1
      FP(3)=-S28C128R1+VCI
      IF (F8-.98E+6) 35,36,36
35      FB=F(4)*8F(4)*8T11408(8E8F(2)+G88F(3))/(FR8(P10-1.))
      GO TO 37
230      36 FB=0.0
37      FP(4)=EXP(12*F8852-VU1
      J=4
      IF (SATU1.EQ.0) GO TO 70      SIF (RS.LE.0) GO TO 70
      IF (INDIC=2) 38,39,40
235      R(2,1)=R(2,1)+F(4)*8F(4)*8F8(F(3)*8T1150+SATU8((1.-PHI)*8T1152
      1+T1151))
      R(2,2)=R(2,2)+MF8F(4)*8F(4)*8RHURF8SATU8(R128TJJ30+F(1)*8TJJ36)

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MOD1 5
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MOD1 6

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      A(2,3)=F(4)8F(4)8MF8(R128T1141+F(1)8T1150)
      A(2,4)=A(2,4)+MF8F(4)8F(4)8(R128F(3)8TJJ29+SATUR(2,8T1142
240 1+TJJ30)))+F(1)8F(3)8TJJ35+SATUR((1.-PHI)8TJJ37+2,8T1151
      2+TJJ38))
      FP(2)=FP(2)-MF8C128S28ARI-MF8F(4)8F(4)8SATUSS28((RMUST12
      1+ALT/T10)8(R128T1142+(1.-PHI)8T1143)+F(1)8T1151+(1.-PHI)8
245 T1152))-RMUST1282,8F(2)/T18(R128TJJ30+F(1)8TJJ36))
      IF(F8-98E+6) 55,56,56
      45 FB=F(4)8F(4)8(8F(2)8T1140+G8T1159+DEL8T1160)/(F8(P10-1.))
      GO TO 47
      46 FB=0.0
      47 FP(4)=E8R12+FB8S2-VUI
250 J=4
      GO TO 70
      39 A(2,1)=A(2,1)+MF8F(4)8F(4)8(F(3)8T1153+SATUR((1.-PHI)8T1155
      1+T1156))
      A(2,2)=A(2,2)+MF8F(4)8F(4)8RMUSSATUR(R128TJJ32+F(1)8TJJ39)
255 A(2,3)=MF8F(4)8F(4)8(R128T1144+F(1)8T1153)
      A(2,4)=A(2,4)+MF8F(4)8(R128F(3)8TJJ31+SATUR(2,8T1145+TJJ320))
      1+TJJ33+SATUR(2,8T1159+TJJ390+(1.-PHI)8T1150))
      FP(2)=FP(2)-S28C128ARI-MF8F(4)8F(4)8SATUSS28((RMUST12
      1ALT/T10)8(R128T1145+(1.-PHI)8T1146)+F(1)8T1154+(1.-PHI)8T1155
260 2))-RMUST1282,8F(2)/T18(R128TJJ32+F(1)8TJJ39))
      IF(F8-98E+6) 55,56,56
      55 FB=F(4)8F(4)8(8F(2)8T1140+G8T1161+DEL8T1162)/(F8(P10-1.))
      GO TO 57
      56 FB=0.0
      57 FP(4)=E8R12+FB8S2-VUI
265 J=4
      GO TO 70
      40 A(2,1)=A(2,1)+MF8F(4)8F(4)8(F(3)8T1156+SATUR((1.-PHI)8T1158
      1+T1157))
      A(2,2)=A(2,2)+F(4)8F(4)8MF8SATUR(R128TJJ34+F(1)8TJJ42)
270 A(2,3)=F(4)8F(4)8MF8(R128T1147+F(1)8T1156)
      A(2,4)=A(2,4)+F(4)8MF8(R128F(3)8TJJ33+SATUR(2,8T1148+TJJ340))
      1+F(1)8F(3)8TJJ41+SATUR((1.-PHI)8TJJ33+TJJ420+2,8T1157))
      FP(2)=FP(2)-MF8C128S28ARI-MF8F(4)8F(4)8SATUSS28((RMUST12
      1ALT/T10)8(R128T1148+(1.-PHI)8T1149)+F(1)8T1157+(1.-PHI)8
275 T1158))-RMUST1282,8F(2)/T18(R128TJJ34+F(1)8TJJ42))
      IF(F8-98E+6) 55,56,56
      65 FB=F(4)8F(4)8(8F(2)8T1140+G8T1163+DEL8T1164)/(F8(P10-1.))
      GO TO 67
      66 FB=0.0
      67 FP(4)=E8R12+FB8S2-VUI
280 J=4
      GO TO 70
      30 IF(SATU1.EQ.0) GO TO 75
      CALL SATEN1(AS,F)
285 CALL SATEN1(AS,F)
      75 IF(SATU1.EQ.0) INDIC=1
      CALL PARAM3(F,INDIC)
      Q=(F68F(1)8F(1)+F(1)8R128F582.+R128R12)8F(4)8F(4)8T138.5
290 Y=288E-001
      ARI=(F58F(1)+R12)8F(4)8F(4)8.58T13
      A(1,1)=F58.58T138F(4)8F(4)
      A(1,4)=F(4)8(F58F(1)+R12)8T13+T138.5)
      295 A(2,1)=F68.58F(2)8F(4)8F(4)8T13
      A(2,2)=F(4)8F(4)8T138(F68.58F(1)+F58.58R12)
      A(2,4)=F(4)8(T13+.58TJJ3)8F(2)8(F68F(1)+F58R12)
      A(1,1)=F68.58F(3)8F(4)8F(4)8T13
      A(1,3)=F(4)8F(4)8T138(F68F(1)+F58.58R12)
      A(1,4)=F(4)8(T13+.58TJJ3)8F(3)8(F68F(1)+F58R12)
      A(4,1)=F(4)8F(4)8T138(F68F(1)+F58R12)
      A(4,4)=F(4)8(T13+.58TJJ3)8(F68F(1)8F(1)+2,8F58F(1)8R12+R128R12)
      300 RT1,21=RT1,3)=A(2,3)+RT1,2)=A(4,2)+RT1,3)=0.0
      F7=F58.5
      FP(1)=E
      305 FP(2)=S28C12+GARRA)8ARI+VT1
      FP(3)=S28C12+GARRA+VCI
      IF(F8-98E+6) 55,56,56
      85 FB=F7,8F(4)8F(4)8T138(8F(2)+G8F(3))/(F8(P10-1.))
      GO TO 87
      86 FB=0.0
      87 FP(4)=E8R12+FB8S2-VUI
      J=4
      IF(SATU1.EQ.0) GO TO 70
      IF(WS.LE.0) GO TO 70
      IF(INDIC.NE.3) GO TO 70
      A(2,1)=A(2,1)+MF8F(4)8F(4)8(F(3)8T1165+SATUR((1.-PHI)8T115

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VARIABLES	SN	TYPE	REAL	ARRAY	RELOCATION	REFS	2	103	115	118	119	120	121
2120	A												
						128	127	128	129	130	131	132	133
						138	140	141	142	143	144	145	147
						182	184	187	235	237	239	252	254
						256	268	270	272	316	318	320	254
						DEFINED	89	89	91	92	93	94	95
						96	97	98	6899	182	184	186	187
						212	213	214	215	216	217	218	219
						220	221	68223	235	237	238	239	252
						254	255	256	258	270	271	272	292
						293	294	295	296	297	298	299	300
						301	68302	316	318	319	320	299	300
2116	AA1	REAL				REFS	225	226	242	258	274	305	306
						121	DEFINED	211	291				
						REFS	4	39					
6	AL	REAL		ANS		REFS	4	66	190	242	258	274	323
14	ALT	REAL		ANS		REFS	90	91	94	98	DEFINED	87	
2100	AX	REAL				REFS	92	93	95	96	97		
2101	AXX	REAL				DEFINED	90						
						REFS	2	123	DEFINED	118	119	120	121
2140	A2	REAL	ARRAY			REFS	2	136	150	DEFINED	126	127	128
2144	A3	REAL	ARRAY			REFS	129	131	132	133	134	139	140
						REFS	141	143	144	145	146	147	
43	A7	REAL		OUT		REFS	6						
7	BE	REAL		ANS		REFS	6	39	72	106	195	228	246
						REFS	278	308	327				
43	B1	REAL		PAR1		REFS	30						
66	B10	REAL		PAR1		REFS	30						
55	B11	REAL		PAR1		REFS	30						
56	B12	REAL		PAR1		REFS	30						
57	B13	REAL		PAR1		REFS	30						
60	B14	REAL		PAR1		REFS	30						
61	B15	REAL		PAR1		REFS	30						
62	B16	REAL		PAR1		REFS	30						
63	B17	REAL		PAR1		REFS	30						
64	B18	REAL		PAR1		REFS	30						
44	B2	REAL		PAR1		REFS	30						
45	B3	REAL		PAR1		REFS	30						
46	B4	REAL		PAR1		REFS	30						
47	B5	REAL											

VARIABLES			SN	TYPE	RELOCATION								
12	FRL	REAL			278	307	308	326	327				
2076	FRL	REAL			REFS	77	77	201	DEFINED	74	76	78	
2060	F6	REAL			REFS	289	281	283	283	286	286	288	
2061	F6	REAL			REFS	299	301	303	DEFINED	49	298	299	
2117	F7	REAL			REFS	300	294	295	296	297			
2103	F8	REAL			REFS	301	DEFINED	50	DEFINED	103			
					REFS	308	122	198	231	249	265	281	
					REFS	311	109	175	231	195	197	228	
					REFS	230	DEFINED	106	108	278	280	308	
					REFS	310	248	262	264				
5	GA	REAL			REFS	4	19	72	106	195	228	246	
41	GAMMA	REAL			REFS	262	278	308	327				
3	H	REAL			REFS	2	101	225	305				
0	III	INTEGER			REFS	3							
1	IIII	INTEGER			REFS	3							
2	IIII	INTEGER			REFS	3							
3	IL	INTEGER			REFS	3							
4	ILL	INTEGER			REFS	3							
50	INDIC	INTEGER			REFS	3							
2104	J	INTEGER			REFS	6	208	234	288	315			
					REFS	6	287						
					REFS	115	123	136	150	152	232	250	
					REFS	110	119	138	138	199			
36	JJ	INTEGER			REFS	282	312	332					
52	J19	INTEGER			REFS	6							
34	J2	INTEGER			REFS	6							
33	J3	INTEGER			REFS	6							
35	J5	INTEGER			REFS	6							
2105	K	INTEGER			REFS	115	123	136	150	151			
10	KK	INTEGER			REFS	6	176	DEFINED	176				
0	L	INTEGER			REFS	6							
11	M11	INTEGER			REFS	6							
16	PHI	REAL			REFS	4	6						
			ARRAY		REFS	2							
					REFS	4	69	182	28187	28190	235	239	
					REFS	28242	252	28258	268	272	28274	316	
2052	PI	REAL	*		REFS	320	28323						
2075	PICL	REAL			REFS	41							
6	P10	REAL			REFS	74	DEFINED	72					
					REFS	4							
2050	P12	REAL			REFS	262	278	308	327	106	195	228	246
2102	Q	REAL			REFS	41	DEFINED	39					
9	R	REAL			REFS	173	174	175	DEFINED	61	103	209	289
					REFS	6	57	58					
2073	REGE	REAL			REFS	201							
2074	REGE.1	REAL			REFS	80	169	DEFINED	63				
2070	R12	REAL			REFS	203	DEFINED	64					
					REFS	62	89	90	3898	101	102	109	
					REFS	184	187	38190	198	38209	211	213	
					REFS	215	218	220	220	38221	231	237	
					REFS	218	219	224	254	256	256	28258	
					REFS	270	271	272	28274	281	38284	291	
					REFS	293	295	296	299	300	38301	311	
					REFS	318	319	320	28323	331	DEFINED	61	
21	RM	REAL			REFS	4	65	68					
13	RMU	REAL			REFS	4	65	68					
					REFS	254	28258	270	28274	28184	48190	237	28242
45	RS	REAL			REFS	65							
					REFS	6	71	84	181	38187	28190	205	
46	RSM	REAL			REFS	200	233	285	314				
11	R1	REAL			REFS	6							
0	S	REAL			REFS	4							
51	SNYU	REAL			REFS	38	DEFINED	1					
					REFS	237	28239	252	184	28187	190	235	
					REFS	270	28272	274	254	28256	258	268	
					REFS	66			318	28320	323		
15	SNYU1	REAL			REFS	66			111	204	207	233	
40	SIGNA	REAL			REFS	284	287	313					
2071	S12	REAL			REFS	6							
5	SOLD	REAL			REFS	2881	28201	DEFINED	62				
37	SPACE	REAL			REFS	6	52	63	64	81	168	169	
2043	S1	REAL			REFS	28201							
					REFS	61	62	164	166	28173	175		
2044	S2	REAL			REFS	17							
					REFS	175	81	101	102	109	165	166	
					REFS	48173	28190	198	201	225	226	231	

VARIABLES SN TYPE RELOCATION

1	TH1	REAL	OUT	28242	249	28258	265	28274	281	305	306
2053	TI	REAL	OUT	28323	28323	331	DEFINED	35			
0	TI1011	REAL	PAR4	DEFINED	28323	190	242	258	274	323	
1	TI1012	REAL	PAR4								
2	TI1013	REAL	PAR4								
3	TI1014	REAL	PAR4								
4	TI1015	REAL	PAR4								
5	TI1016	REAL	PAR4								
6	TI1017	REAL	PAR4								
7	TI1018	REAL	PAR4								
8	TI1019	REAL	PAR4								
9	TI1020	REAL	PAR4								
10	TI1021	REAL	PAR4								
11	TI1022	REAL	PAR4								
12	TI1023	REAL	PAR4								
13	TI1024	REAL	PAR4								
14	TI1025	REAL	PAR4								
15	TI1026	REAL	PAR4								
16	TI1027	REAL	PAR4								
17	TI1028	REAL	PAR4								
18	TI1029	REAL	PAR4								
19	TI1030	REAL	PAR4								
20	TI1031	REAL	PAR4								
21	TI1032	REAL	PAR4								
22	TI1033	REAL	PAR4								
23	TI1034	REAL	PAR4								
24	TI1035	REAL	PAR4								
25	TI1036	REAL	PAR4								
26	TI1037	REAL	PAR4								
27	TI1038	REAL	PAR4								
28	TI1039	REAL	PAR4								
29	TI1040	REAL	PAR4								
30	TI1041	REAL	PAR4								
31	TI1042	REAL	PAR4								
32	TI1043	REAL	PAR4								
33	TI1044	REAL	PAR4								
34	TI1045	REAL	PAR4								
35	TI1046	REAL	PAR4								
36	TI1047	REAL	PAR4								
37	TI1048	REAL	PAR4								
38	TI1049	REAL	PAR4								
39	TI1050	REAL	PAR4								
40	TI1051	REAL	PAR4								
41	TI1052	REAL	PAR4								
42	TI1053	REAL	PAR4								
43	TI1054	REAL	PAR4								
44	TI1055	REAL	PAR4								
45	TI1056	REAL	PAR4								
46	TI1057	REAL	PAR4								
47	TI1058	REAL	PAR4								
48	TI1059	REAL	PAR4								
49	TI1060	REAL	PAR4								
50	TI1061	REAL	PAR4								
51	TI1062	REAL	PAR4								
52	TI1063	REAL	PAR4								
53	TI1064	REAL	PAR4								
54	TI1065	REAL	PAR4								
55	TI1066	REAL	PAR4								
56	TI1067	REAL	PAR4								
57	TI1068	REAL	PAR4								
58	TI1069	REAL	PAR4								
59	TI1070	REAL	PAR4								
60	TI1071	REAL	PAR4								
61	TI1072	REAL	PAR4								
62	TI1073	REAL	PAR4								
63	TI1074	REAL	PAR4								
64	TI1075	REAL	PAR4								
65	TI1076	REAL	PAR4								
66	TI1077	REAL	PAR4								
67	TI1078	REAL	PAR4								
68	TI1079	REAL	PAR4								
69	TI1080	REAL	PAR4								
70	TI1081	REAL	PAR4								
71	TI1082	REAL	PAR4								
72	TI1083	REAL	PAR4								
73	TI1084	REAL	PAR4								
74	TI1085	REAL	PAR4								
75	TI1086	REAL	PAR4								
76	TI1087	REAL	PAR4								
77	TI1088	REAL	PAR4								
78	TI1089	REAL	PAR4								
79	TI1090	REAL	PAR4								
80	TI1091	REAL	PAR4								
81	TI1092	REAL	PAR4								
82	TI1093	REAL	PAR4								
83	TI1094	REAL	PAR4								
84	TI1095	REAL	PAR4								
85	TI1096	REAL	PAR4								
86	TI1097	REAL	PAR4								
87	TI1098	REAL	PAR4								
88	TI1099	REAL	PAR4								
89	TI1100	REAL	PAR4								
90	TI1101	REAL	PAR4								
91	TI1102	REAL	PAR4								
92	TI1103	REAL	PAR4								
93	TI1104	REAL	PAR4								
94	TI1105	REAL	PAR4								
95	TI1106	REAL	PAR4								
96	TI1107	REAL	PAR4								
97	TI1108	REAL	PAR4								
98	TI1109	REAL	PAR4								
99	TI1110	REAL	PAR4								
100	TI1111	REAL	PAR4								
101	TI1112	REAL	PAR4								
102	TI1113	REAL	PAR4								
103	TI1114	REAL	PAR4								
104	TI1115	REAL	PAR4								
105	TI1116	REAL	PAR4								
106	TI1117	REAL	PAR4								
107	TI1118	REAL	PAR4								

VARIABLES	SM	TYPE	RELOCATION	REF							
110	T1169	REAL	PAR4	REF	8	323					
111	T1170	REAL	PAR4	REF	8	327					
112	T1171	REAL	PAR4	REF	8	327					
113	T1172	REAL	PAR4	REF	8						
114	T11732	REAL	PAR4	REF	8						
115	T11733	REAL	PAR4	REF	8						
3	T10	REAL	AMB	REF	4	42	2865	66	67	190	242
0	T12	REAL	AMB	REF	274	39	42	66	67	101	28190
127	T115	REAL	PAR4	REF	28242	28258	28274	305	28323		
116	T1201	REAL	PAR4	REF	8	316	320	323			
117	T1211	REAL	PAR4	REF	8						
121	T13	REAL	PAR4	REF	8	209	211	213	221	289	291
				REF	292	294	295	296	297	298	299
				REF	100	101	102	103			
120	T1481	REAL	PAR4	REF	8						
1	TJJ181	REAL	PAR4	REF	8						
6	TJJ182	REAL	PAR4	REF	8						
12	TJJ183	REAL	PAR4	REF	8						
0	TJJ184	REAL	PAR4	REF	8						
4	TJJ185	REAL	PAR4	REF	8						
10	TJJ186	REAL	PAR4	REF	8						
42	TJJ187	REAL	PAR4	REF	8						
36	TJJ188	REAL	PAR4	REF	8						
30	TJJ189	REAL	PAR4	REF	8						
37	TJJ190	REAL	PAR4	REF	8						
31	TJJ191	REAL	PAR4	REF	8						
40	TJJ192	REAL	PAR4	REF	8						
32	TJJ193	REAL	PAR4	REF	8						
43	TJJ194	REAL	PAR4	REF	8						
41	TJJ195	REAL	PAR4	REF	8						
33	TJJ196	REAL	PAR4	REF	8						
61	TJJ197	REAL	PAR4	REF	8						
60	TJJ198	REAL	PAR4	REF	8						
57	TJJ199	REAL	PAR4	REF	8						
56	TJJ200	REAL	PAR4	REF	8						
55	TJJ201	REAL	PAR4	REF	8						
54	TJJ202	REAL	PAR4	REF	8						
53	TJJ203	REAL	PAR4	REF	8						
52	TJJ204	REAL	PAR4	REF	8						
51	TJJ205	REAL	PAR4	REF	8						
50	TJJ206	REAL	PAR4	REF	8						
47	TJJ207	REAL	PAR4	REF	8						
46	TJJ208	REAL	PAR4	REF	8						
45	TJJ209	REAL	PAR4	REF	8						
44	TJJ210	REAL	PAR4	REF	8						
13	TJJ211	REAL	PAR4	REF	8						
2	TJJ212	REAL	PAR4	REF	8						
5	TJJ213	REAL	PAR4	REF	8						
11	TJJ214	REAL	PAR4	REF	8						
65	TJJ215	REAL	PAR4	REF	8						
66	TJJ216	REAL	PAR4	REF	8						
67	TJJ217	REAL	PAR4	REF	8						
62	TJJ218	REAL	PAR4	REF	8						
63	TJJ219	REAL	PAR4	REF	8						
64	TJJ220	REAL	PAR4	REF	8						
73	TJJ221	REAL	PAR4	REF	8						
74	TJJ222	REAL	PAR4	REF	8						
75	TJJ223	REAL	PAR4	REF	8						
70	TJJ224	REAL	PAR4	REF	8						
71	TJJ225	REAL	PAR4	REF	8						
72	TJJ226	REAL	PAR4	REF	8						
79	TJJ227	REAL	PAR4	REF	8						
76	TJJ228	REAL	PAR4	REF	8						
102	TJJ229	REAL	PAR4	REF	8						
101	TJJ230	REAL	PAR4	REF	8						
100	TJJ231	REAL	PAR4	REF	8						
104	TJJ232	REAL	PAR4	REF	8						
103	TJJ233	REAL	PAR4	REF	8						
106	TJJ234	REAL	PAR4	REF	8						
105	TJJ235	REAL	PAR4	REF	8						
107	TJJ236	REAL	PAR4	REF	8						
111	TJJ237	REAL	PAR4	REF	8						
110	TJJ238	REAL	PAR4	REF	8						
112	TJJ239	REAL	PAR4	REF	8	216	219	221	221		
113	TJJ240	REAL	PAR4	REF	8	213	216	219			
114	TJJ241	REAL	PAR4	REF	8	239					

WRITES 178

EXTERNALS TYPE ARGS REFERENCES

EXTERNALS	TYPE	ARGS	REFERENCES
ACOS	REAL	1	LIBRARY 201
COS	REAL	1	LIBRARY 36 37
EXP	REAL	1	LIBRARY 66
PARAM	REAL	1	LIBRARY 28184 28190
PARAM3		1	85
SATEN1		2	208 288
SATEN1		2	206 286
SATEN1		2	84 205 285
SIMQ		4	115 123 136 150
SIN	REAL	1	LIBRARY 34 35
SQRT	REAL	1	LIBRARY 81 167 201

INLINE FUNCTIONS	TYPE	ARGS	DEF LINE	REFERENCES
ABS	REAL	1	INTRIN 2877	81 172 201

STATEMENT LABELS DEF LINE REFERENCES

STATEMENT LABELS	DEF LINE	REFERENCES
0 1	INACTIVE 74	73
143 2	76	2873
144 3	77	75
156 4	138	111
402 7	151	116
472 8	178	28151 124 137
0 9	152	151
667 10	201	80
152 11	79	77
0 13	INACTIVE 78	2877
175 15	85	83
0 16	INACTIVE 106	105
276 17	108	28105
277 18	109	107
475 19	181	111
317 20	117	112
333 21	125	114
0 25	INACTIVE 195	194
657 26	197	28194
660 27	198	196
1440 30	284	203
724 31	207	204
0 35	INACTIVE 228	227
1037 36	230	28227
1040 37	231	239
0 38	INACTIVE 235	234
1200 39	252	234
1320 40	288	234
0 45	INACTIVE 246	245
1170 46	248	28245
1171 47	249	247
0 55	INACTIVE 262	261
1310 56	264	28261
1311 57	265	263
0 65	INACTIVE 278	277
1410 66	280	28277
1631 67	281	279
306 70	112	181 200 28233 251 267 283 313 314 315
1447 75	287	333
0 85	INACTIVE 308	307
1561 86	310	28307
1562 87	311	309
0 95	INACTIVE 327	326
1711 96	330	28326
1712 97	331	329
1775 100	FMT 179	178
0 131	INACTIVE 153	152
411 132	157	154
415 134	161	157
421 136	164	152 156 160
61 140	59	57
1721 900	334	180

COMMON BLOCKS LENGTH MEMBERS - BIAS NAME(LENGTH)

COMMON	BLOCKS	LENGTH	MEMBERS	- BIAS	NAME(LENGTH)
PR7	5	0	111	(1)	1 111Y (1)
AMB	18	3	11	(1)	2 1111 (1)
		0	T12	(1)	1 C12 (1)
		3	T10	(1)	2 C10 (1)
		6	AL	(1)	GA (1)
		9	RI	(1)	FR (1)
		12	ALT	(1)	10 PRL (1)
					13 SATU1 (1)
					14 PH1 (1)

17	BM	(1)
2	TH2	(1)
6	SOLD	(1)
8	RS	(1)
28	J2	(1)
31	SPACE	(1)
34	CD	(1)
37	AS	(1)
40	INDIC	(1)
4	WATER	(1)
6	T1101	(1)
8	T1102	(1)
11	T1106	(1)
14	T1108	(1)
17	T1111	(1)
20	T1117	(1)
23	T1125	(1)
26	T1128	(1)
29	T1131	(1)
32	T1132	(1)
35	T1133	(1)
38	T1135	(1)
41	T1138	(1)
44	T1141	(1)
47	T1144	(1)
50	T1147	(1)
53	T1150	(1)
56	T1153	(1)
59	T1156	(1)
62	T1159	(1)
65	T1162	(1)
68	T1165	(1)
71	T1168	(1)
74	T1171	(1)
77	T1173	(1)
80	T1181	(1)
83	TJ2081	(1)
86	TJ3	(1)
89	TJ4881	(1)
2	TJJ2R1	(1)
5	TJJ2R2	(1)
8	TJJ2R3	(1)
11	TJJ2R4	(1)
14	TJJ2R	(1)
17	TJJ7	(1)
20	TJJ48R	(1)
23	TJJ39R	(1)
26	TJJ12R	(1)
29	TJJ98	(1)
32	TJJ412R	(1)
35	TJJ13	(1)
38	TJJ198	(1)
41	TJJ17R	(1)
44	TJJ18R	(1)
47	TJJ18R	(1)
50	TJJ20R1	(1)
53	TJJ20R1	(1)
56	TJJ21R1	(1)
59	TJJ21R1	(1)
62	TJJ22R	(1)
65	TJJ23R	(1)
68	TJJ24R	(1)
71	TJJ26	(1)
74	TJJ27	(1)
77	TJJ30	(1)
80	TJJ36	(1)
83	TJJ31	(1)
86	TJJ33	(1)
89	TJJ38	(1)
92	TJJ40	(1)
95	TJJ42	(1)
98	TJJ45	(1)
101	TJJ47B	(1)
104	TJJ4R	(1)
107	TJJ49RZ	(1)
2	D3	(1)

PAR 1 55

1 02 (1)

203 (1)

COMMON BLOCKS LENGTH MEMBERS BIAS NAME (LENGTH)

3	D4	(1)	4	D5	(1)	5	D6	(1)
6	D7	(1)	7	D8	(1)	8	D9	(1)
9	D10	(1)	10	D15	(1)	11	D19C	(1)
12	D20C	(1)	12	D17	(1)	14	D58C	(1)
15	D61C	(1)	16	D33	(1)	17	D34	(1)
18	D01	(1)	19	D02	(1)	20	D03	(1)
21	D010	(1)	22	D011	(1)	23	D012	(1)
24	D01C	(1)	25	D01C	(1)	26	D02	(1)
27	D11	(1)	28	D12	(1)	29	D13	(1)
30	D14	(1)	31	D15	(1)	32	D16	(1)
33	D17	(1)	34	D18	(1)	35	D1	(1)
36	D2	(1)	37	D1	(1)	38	D4	(1)
39	D5	(1)	40	D6	(1)	41	D7	(1)
42	D8	(1)	43	D9	(1)	44	D9P	(1)
45	D11	(1)	46	D12	(1)	47	D13	(1)
48	D15	(1)	49	D15	(1)	50	D16	(1)
51	D17	(1)	52	D18	(1)	53	D31	(1)
54	D10	(1)						

STATISTICS

PROGRAM LENGTH	21558	1133
CM LABELED COMMON LENGTH	5028	322
520000 CM USED		

1

```

      FUNCTION F1(A,B,C,D)
      F1=AB(B+AB(C+D,5+D,166666678A))
      RETURN
      END
  
```

```

DECKB 327
DECKB 328
DECKB 329
DECKB 330
  
```

SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS DEF=LINE REFERENCES

4 F1

1

3

VARIABLES

SN TYPE

RELOCATION

REFS

322

DEFINED

1

0

B

REAL

F. P.

REFS

2

DEFINED

1

0

C

REAL

F. P.

REFS

2

DEFINED

1

0

D

REAL

F. P.

REFS

2

DEFINED

1

17

F1

REAL

DEFINED

2

DEFINED

1

STATISTICS

PROGRAM

LENGTH

208

16

520008 CM. USED

1

FUNCTION G(A,B,C,D)
 G=B+A*B*C+A*B*A*D*5
 RETURN
 END

DECK8 331
 DECK8 332
 DECK8 333
 DECK8 334

SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS DEF LINE REFERENCES
 4 G 1 3

VARIABLES	SN	TYPE	RELOCATION	REFS	382	DEFINED	1
D	A	REAL	F P	REFS	2	DEFINED	1
O	B	REAL	F P	REFS	2	DEFINED	1
O	C	REAL	F P	REFS	2	DEFINED	1
O	D	REAL	F P	REFS	2	DEFINED	1
16	G	REAL		DEFINED	2		

STATISTICS
 PROGRAM LENGTH
 520008 CM USED

178 15

```

1      SUBROUTINE SATEX1(RS,F)
2      DIMENSION F(6), N11(18)
3      COMMON/AMB/T12,C12,C10,T10,P10,GA,AL,BE,FR,R1,FRL,RMU,ALT,SATU1,
4      PH1,DEL,ME,AM
5      COMMON/OUT/L,TH1,TH2,M,Z,SNEW,DS,R,K,N11,J3,J2,J5,JJ,SPACE,SIGMA
6      1, GAMMA, CD, A7, XXX, RT, RSH, XM, INDIC, SATU, J19, WATER
7      DCO=F(3)
8      DT=F(2)
9      DT1=T1282
10     IF(C10.EQ.1.) GO TO 10
11     IF(J5.GT.0) GO TO 10
12     RMU=RM/(T10AT10)
13     SAYU=SATU1*EXP(RMU*DT1+ALT82/T10)
14     T1=T10+T1282
15     RMU=RM/(T18T1)
16     DCP=DCO/(1.-C10)
17     RMUDY=RMUDT0
18     C      ROOT FINDING BY INTERVAL HALVING METHOD
19     IF(F(4).EQ.0.) GO TO 10
20     IF(PH1.EQ.1.) GO TO 20
21     KOUNT = 0
22     AMIN=0.000000001
23     AMAX = 1
24     Z1 = ROOT(DCP,C10,SATU,PH1,RMUDT,AMIN)
25     Z2 = ROOT(DCP,C10,SATU,PH1,RMUDT,AMAX)
26     KOUNT = KOUNT + 1
27     ASUB = RS/F(4)
28     Z11 = Z1
29     Z1=ROOT(DCP,C10,SAYU,PH1,RMUDT,ASUB)
30     IF(Z18Z1.GE.0. AND Z18Z2.GT.0.) GO TO 10
31     Z1 = ROOT(DCP,C10,SATU,PH1,RMUDT,ASUB)
32     IF(Z18Z1.GT.0.) GO TO 103
33     104 KOUNT = KOUNT + 1
34     AMAX = ASUB
35     ASUB = (AMIN + AMAX)*.5
36     IF(KOUNT.GE.15) GO TO 107
37     GO TO 101
38     103 KOUNT = KOUNT + 1
39     AMIN = ASUB
40     ASUB = (AMIN + AMAX)*.5
41     Z11 = Z1
42     IF(KOUNT.GE.15) GO TO 107
43     Z1 = ROOT(DCP,C10,SATU,PH1,RMUDT,ASUB)
44     IF(Z18Z1.GT.0.) GO TO 103
45     GO TO 104
46     107 IF(ASUB.LE.0.0000001) GO TO 10
47     RS = ASUB*F(4)
48     RETURN
49     10 RS=0.0
50     RETURN
51     20 RS=F(4)
52     RETURN
53     END

```

```

DECK9 1
DECK9 2
DECK9 3
DECK9 4
DECK9 5
MOD1 6
DECK9 7
DECK9 8
DECK9 9
DECK9 10
MOD16 11
DECK9 12
DECK9 13
DECK9 14
DECK9 15
DECK9 16
MOD15 17
MOD15 18
MOD15 19
MOD22 20
MOD15 21
MOD15 22
MOD15 23
MOD15 24
MOD15 25
MOD15 26
MOD15 27
MOD22 28
MOD22 29
MOD15 30
DECK9 31
DECK9 32
DECK9 33
DECK9 34
DECK9 35

```

SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS 3 SATEX1	DEF LINE 1	REFERENCES 48	50	52						
VARIABLES	SM	TYPE	RELOCATION							
8 AL	REAL	AMB	REF	13						
14 ALT	REAL	AMB	REF	13						
165 AMAX	REAL		REF	35	40	DEFINED	23	34		
169 AMIN	REAL		REF	35	40	DEFINED	22	39		
170 ASUB	REAL		REF	31	34		41	46		47
43 A7	REAL	OUT	DEFINED	27	35	40				
7 BE	REAL	AMB	REF	35						
42 CD	REAL	OUT	REF	35						
2 C10	REAL	AMB	REF	10	16	24	25	29	31	
1 C12	REAL	AMB	REF	3						
155 DCO	REAL		REF	16	DEFINED	7				
161 DCP	REAL		REF	24	29	31	43			
			DEFINED	16						

VARIABLES	SM	TYPE	RELOCATION	REFS	DEF	DEF	DEF	DEF	DEF	DEF
17 DEL	REAL	AMB	REFS	1	DEFINED	9				
157 DS	REAL	OUT	REFS	1	DEFINED	8				
157 DT1	REAL		REFS	1	DEFINED	8				
156 DT0	REAL		REFS	1	DEFINED	8				
0 F	REAL	ARRAY	F. P.	DEFINED	7	19	27	47	51	
10 FR	REAL	AMB	REFS	1						
12 FAL	REAL	AMB	REFS	1						
5 GA	REAL	AMB	REFS	1						
41 GAMMA	REAL	OUT	REFS	1						
3 H	REAL	OUT	REFS	1						
50 INDIC	INTEGER	OUT	REFS	1						
16 JJ	INTEGER	OUT	REFS	1						
52 J19	INTEGER	OUT	REFS	1						
34 J2	INTEGER	OUT	REFS	1						
11 J1	INTEGER	OUT	REFS	1						
35 J5	INTEGER	OUT	REFS	11						
10 K	INTEGER	OUT	REFS	26	33	36	38	42		
163 KOUNT	INTEGER	OUT	REFS	21	26	33	38			
0 L	INTEGER	ARRAY	OUT	REFS	5					
11 N11	INTEGER	OUT	REFS	20	24	25	29	31	43	
16 PHI	REAL	AMB	REFS	12	15					
3 P10	REAL	OUT	REFS	13	17	DEFINED	12	15		
7 R	REAL	AMB	REFS	25	29	31	43			
21 RM	REAL	AMB	REFS	17						
13 RMU	REAL	AMB	REFS	25						
162 RMUOT	REAL	OUT	REFS	27	DEFINED	1	47	49	51	
0 RS	REAL	F. P.	REFS	1						
46 RSM	REAL	OUT	REFS	24	25	29	31	43		
45 RT	REAL	OUT	REFS	1						
11 R1	REAL	AMB	REFS	24	25	29	31	43		
51 SATU	REAL	OUT	REFS	13						
15 SATU1	REAL	AMB	REFS	1						
40 SIGMA	REAL	OUT	REFS	2815	DEFINED	14	14			
5 SNEW	REAL	OUT	REFS	2812	9	14				
37 SPACE	REAL	OUT	REFS	9	DEFINED	13	24	28	41	
1 TH1	REAL	OUT	REFS	10	DEFINED	25				
2 TH2	REAL	OUT	REFS	30	44	DEFINED				
160 T1	REAL	AMB	REFS	32	41	44	DEFINED	29	31	
3 T10	REAL	AMB	REFS	1						
0 T12	REAL	OUT	REFS	1						
51 WATER	REAL	OUT	REFS	1						
20 WF	REAL	AMB	REFS	1						
47 XM	REAL	OUT	REFS	1						
48 XXX	REAL	OUT	REFS	1						
2 Z	REAL	OUT	REFS	1						
166 ZL	REAL	REAL	REFS	30	DEFINED	14	24	28	41	
171 ZL1	REAL	REAL	REFS	44	DEFINED	25				
167 ZL	REAL	REAL	REFS	10	DEFINED	25				
172 ZL1	REAL	REAL	REFS	30	32	41	44	DEFINED	29	31

EXTERNALS	TYPE	ARGS	REFERENCES
EXP	REAL	LIBRARY	13
ROOT	REAL	6	24 25 29 31 43

STATEMENT LABELS	DEF LINE	REFERENCES
117 10	40	11 19 30 46
121 20	51	
62 101	31	
79 103	38	44
67 104	33	
112 107	46	42

COMMON BLOCKS	LENGTH	MEMBERS - BIAS NAME (LENGTH)
AMB	18	0 T12 (1) 3 T10 (1) 6 AL (1) 9 R1 (1) 12 ALT (1) 15 DEL (1) 18 L (1) 21 H (1) 24 DS (1) 27 N11 (18) 29 J5 (1)
OUT	44	1 CT2 (1) 4 P10 (1) 7 BE (1) 10 FAL (1) 13 SATU1 (1) 16 WF (1) 19 TH1 (1) 22 Z (1) 25 R (1) 27 J3 (1) 30 JJ (1)
		2 CT0 (1) 5 GA (1) 8 FR (1) 11 RMU (1) 14 PHI (1) 17 RM (1) 20 TH2 (1) 23 SNEW (1) 26 K (1) 28 J2 (1) 31 SPACE (1)

COMMON BLOCKS LENGTH MEMBERS BIAS NAME LENGTH

32 SIGMA (1)
35 A7 (1)
38 RSH (1)
41 SATU (1)33 GAMMA (1)
36 XXX (1)
39 XA (1)
42 JIB (1)34 CD (1)
37 RT (1)
40 INDIC (1)
43 WATER (1)

STATISTICS

PROGRAM LENGTH

1738

123

CM LABELED COMMON LENGTH

768

62

5200CB CM USED

1	SUBROUTINE SATEN1(RS,F)	DECK10	1
	DIMENSION F(6), N11(18)	DECK10	2
	COMMON/AMB/T12,C12,C10,T10,P10,GA,AL,BE,FR,R1,FRL,RMU,ALT,SATU1,	DECK10	3
	18A1,BE1,HE,BE	DECK10	4
5	COMMON/OUT/L,TH1,TH2,H,Z,SNEH,DS,R,K,N11,J3,J2,J5,JJ,SPACE,SIGMA	DECK10	5
	1,GAHMA,CD,A7,XXX,RT,RSH,XM,INDIC,SATU,J19,WATER	MOD1	6
	IF(C10.EQ.1.) GO TO 10	DECK10	7
	DCO=F(1)	DECK10	8
	DTO=F(2)	DECK10	9
10	RHARG=RS/F(4)	DECK10	10
	RHARG=SPACE/F(4)-1.	DECK10	11
	DT=T1282	DECK10	12
	RMU=RM/(T10RT10)	DECK10	13
	IF(RS.LE.0.) GO TO 10	DECK10	14
15	IF(RHARG.GE.RHARG) GO TO 40	DECK10	15
	INDIC=1	DECK10	16
	RETURN	DECK10	17
40	SATU=SATU1*EXP(RMU*DT+ALT*Z/T10)	DECK10	18
20	T1 = T10 + T1282	DECK10	19
	RMU=RM/(T1*RT1)	DECK10	20
	DCP=DCO/(1.-C10)	DECK10	21
	RMUDT=RMUDTO	DECK10	22
	C FIRST APPLICATION OF HALF INTERVAL METHOD OF ROOT FINDING	MOD16	1
	RMIN=0.000000001	MOD22	1
25	RMAX = 1	MOD16	2
	KOUNT = 0	MOD16	3
	ZL = ROOT1(DCP,C10,RMUDT,SATU,PHI,RMIN)	MOD16	4
	ZR = ROOT1(DCP,C10,RMUDT,SATU,PHI,RMAX)	MOD16	5
	RSUB = (RMIN+RMAX)*.5	MOD16	6
30	ZL1 = ZL	MOD16	7
101	ZR1 = ROOT1(DCP,C10,RMUDT,SATU,PHI,RSUB)	MOD16	8
	IF(ZL1*ZR1.GT.0.) GO TO 103	MOD16	9
104	KOUNT = KOUNT + 1	MOD16	10
	RMAX = RSUB	MOD16	11
35	RSUB = (RMIN+RMAX)*.5	MOD16	12
	IF(KOUNT.GE.15) GO TO 107	MOD16	13
	GO TO 101	MOD16	14
103	KOUNT = KOUNT + 1	MOD16	15
	RMIN = RSUB	MOD16	16
40	RSUB = (RMIN+RMAX)*.5	MOD16	17
	ZL1 = ZL1	MOD16	18
	IF(KOUNT.GE.15) GO TO 107	MOD16	19
	ZR1 = ROOT1(DCP,C10,RMUDT,SATU,PHI,RSUB)	MOD16	20
	IF(ZL1*ZR1.GT.0.) GO TO 103	MOD16	21
45	GO TO 104	MOD16	22
107	REM = RSUB	MOD16	23
	REM1N = 2.3(1.-(RHARG+1.-SPACE/(2.*F(4))))*.5*.5	MOD16	24
	IF(REM.LE.REM1N) GO TO 55	MOD16	25
	INDIC = 2	MOD16	26
50	C NOW BACK SOLVE FOR RSH	MOD16	27
	SP1 = SPACE/F(4)	MOD16	28
	RSMIN = RS	MOD16	29
	RSMAX = SP1/2.	MOD16	30
	KONT = 0	MOD16	31
55	RZL = ROOT2(REM,SP1,RSMIN)	MOD16	32
	RZR = ROOT2(REM,SP1,RSMAX)	MOD16	33
	RSMSUB = (RSMIN+RSMAX)*.5	MOD16	34
	RZL1 = RZL	MOD16	35
201	RZR1 = ROOT2(REM,SP1,RSMSUB)	MOD16	36
60	IF(RZL1*RZR1.GT.0.) GO TO 203	MOD16	37
204	KONT = KONT + 1	MOD16	38
	RSMAX = RSMSUB	MOD16	39
	RSMSUB = (RSMIN+RSMAX)*.5	MOD16	40
	IF(KONT.GE.15) GO TO 207	MOD16	41
65	GO TO 201	MOD16	42
203	KONT = KONT + 1	MOD16	43
	RSMIN = RSMSUB	MOD16	44
	RSMSUB = (RSMIN+RSMAX)*.5	MOD16	45
	RZL1 = RZL1	MOD16	46
70	IF(KONT.GE.15) GO TO 207	MOD16	47
	RZR1 = ROOT2(REM,SP1,RSMSUB)	MOD16	48
	IF(RZL1*RZR1.GT.0.) GO TO 203	MOD16	49
	GO TO 204	MOD16	50
207	RSH = RSMSUB * F(4)	MOD16	51
75	RETURN	MOD16	52
55	XN = REM/REM1N	MOD16	53
	INDIC = 3	MOD16	54
	RETURN	MOD16	55
10	RSH = 0.	MOD16	56
	DECK10	MOD16	70

DECK 10	71
DECK 10	72
DECK 10	73
DECK 10	74

[illegible]

STATISTICS		
PROGRAM LENGTH	3070	199
CM LABELED COMMON LENGTH	760	62
520000 CM USED		

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1      SUBROUTINE EXTR (S,X,Y,Z,0,DU,DT,M)
      DIMENSION S1(5),X1(5),Y1(5),Z1(5),01(5),DU1(5),DT1(5)
      C THIS SUBROUTINE STORES VALUES OF THE OUTPUT WHEN THE PLUME HAS PASSED
      C ITS EQUILIBRIUM HEIGHT IN A STRAT AMBIENT AT THE END OF THE
5      C RUN. THIS ROUTINE COMPUTES THE MAX HEIGHT OF PLUME BY EXTRAPOLATION.
      IF (M-3) 1,1,2
      IF (M-4) 3,3,4
      1  DO 51,1-2
      2  S1(I) = S1(I+1)
      10  X1(I) = X1(I+1)
      Y1(I) = Y1(I+1)
      Z1(I) = Z1(I+1)
      01(I) = 01(I+1)
      DU1(I) = DU1(I+1)
      DT1(I) = DT1(I+1)
      15  CONTINUE
      M=3
      1  S1(M) = S
      X1(M) = X
      20  Y1(M) = Y
      Z1(M) = Z
      01(M) = 0
      DU1(M) = DU
      DT1(M) = DT
      25  MR=M
      RETURN
      IF (MR-3) 202,6,202
      4  MR2 = MR-2
      6  MR1=MR-1
      ZMAX = Z1(MR1) + DU1(MR1)*(Z1(MR1)-Z1(MR))/(DU1(MR)-DU1(MR1))
      DZ1 = Z1(MR1) - Z1(MR)
      DZ2 = Z1(MR2) - Z1(MR)
      DU11 = DU1(MR1) - DU1(MR)
      DU12 = DU1(MR2) - DU1(MR)
      35  DET = DZ1*DZ2*(DZ2-DZ1)
      DET1 = 1.0/DET
      B = DET1*(DZ2*DZ2*DU11 - DZ1*DZ1*DU12)
      C = DET1*(DZ2*DU11 + DZ1*DU12)
      DISC = 0.80-4.08*DU1(MR)*C
      IF (DISC) 206,205,205
      40  206 ZH = 0.0
      ZMAX = ZMAX*.5
      GO TO 207
      205 ZH = Z1(MR) - (0+SQRT(DISC))/(2.08C)
      45  ZH = ZH*.5
      ZMAX = ZMAX*.5
      207 PRINT 102,ZMAX,ZH
      102 FORMAT (1H,2,8, MAXIMUM PLUME HEIGHT, EXTRAPOLATED, 8,
      1 BLINENR = 8,FB,2,8 PARABOLIC = 8,FB,2,7)
      50  RETURN
      202 PRINT 203
      203 FORMAT (1H,8, ERROR IN HPCG, 1H,LF = 118,/)
      RETURN
      END

```

DECK11 1
DECK11 2
DECK11 3
DECK11 4
DECK11 5
DECK11 6
DECK11 7
DECK11 8
DECK11 9
DECK11 10
DECK11 11
DECK11 12
DECK11 13
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DECK11 50
DECK11 51

SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS 3 EXTR	DEF LINE 1	REFERENCES 26	50	53							
VARIABLES	SM	TYPE	RELOCATION								
0 0		REAL	F. P.	REFS	22	2839	44	DEFINED	1	37	
223 01		REAL	ARRAY	REFS	22	13	DEFINED	13	22		
174 C		REAL		REFS	39	44	DEFINED	38			
172 DET		REAL		REFS	36	DEFINED	35				
173 DET1		REAL		REFS	37	38	DEFINED	36			
175 DISC		REAL		REFS	40	44	DEFINED	39			
0 DT		REAL	F. P.	REFS	24	DEFINED	1				
235 DTY		REAL	ARRAY	REFS	2	15	DEFINED	15	24		
0 DU		REAL	F. P.	REFS	23	DEFINED	1				
230 DU1		REAL	ARRAY	REFS	2	14	3830	2833	2834	39	
				DEFINED	14	23					
170 DU11		REAL		REFS	37	38	DEFINED	33			
171 DU12		REAL		REFS	37	38	DEFINED	34			
166 DZ1		REAL		REFS	2835	2837	38	DEFINED	31		

VARIABLES	SM	TYPE	RELOCATION	REFS	2835	2837	38	DEFINED	32		
167 D22		REAL		REFS	289	2810	2811	2812	2813	2814	2815
161 I		INTEGER		DEFINED	8						
0 M		INTEGER	F. P.	REFS	6	7	18	19	20	21	22
162 MR		INTEGER		REFS	24	25	DEFINED	1	17		
164 MR1		INTEGER		REFS	34	44	DEFINED	2830	31	32	33
163 MR2		INTEGER		REFS	32	34	DEFINED	25			
0 S		REAL	F. P.	REFS	18	DEFINED	DEFINED	28			
177 S1		REAL	ARRAY	REFS	2	9	DEFINED	9	18		
0 X		REAL	F. P.	REFS	18	DEFINED	DEFINED	1			
204 X1		REAL	ARRAY	REFS	2	10	DEFINED	10	19		
0 Y		REAL	F. P.	REFS	20	DEFINED	DEFINED	1			
211 Y1		REAL	ARRAY	REFS	2	11	DEFINED	11	20		
0 Z		REAL	F. P.	REFS	21	DEFINED	DEFINED	1			
176 ZM		REAL		REFS	45	47	DEFINED	41	44	45	
165 ZMAX		REAL		REFS	42	46	DEFINED	47	30	42	46
216 Z1		REAL	ARRAY	REFS	2	12	3830	2831	2832	44	
				DEFINED	12	21					

FILE NAMES OUTPUT MODE FMT WRITES 47 51

EXTERNALS SORT TYPE REAL ARGS 1 LIBRARY REFERENCES 44

STATEMENT LABELS DEF LINE REFERENCES

32 1			18	286
0 2	INACTIVE		7	6
0 3	INACTIVE		8	287
51 4			27	7
0 5			16	8
0 6	INACTIVE		28	27
132 102	FMT		48	47
121 202			51	2827
150 203	FMT		52	51
106 205			44	2840
0 206	INACTIVE		41	40
116 207			47	43

LOOPS LABEL INDEX FROM-TO LENGTH PROPERTIES OPT

14 5 1 8 16 138

STATISTICS PROGRAM LENGTH 2428 162
520008 CM USED

DECK12	1
DECK12	2
DECK12	3
DECK12	4
DECK12	5
DECK12	6
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DECK12	80

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80      DD2=DUP8(DC08D16+SATU8(PH118D11+D65))+R128(DC08D18+SATU8(DU
      18PH11+D66))
      DD3=DC08D17+SATU8(PH118DU2+D20)
      DD4=DC08D18+SATU8(PH118DU4+D66)
      DD5=DC08D7-SATU8(D20+PH118DU2)
      DD6=DC08D11-SATU8(D66+PH118DU)
85      D12=DC08.58F(3)8F(3)+F(3)8F(4)8D04+.58F(4)8F(4)8D03
      D13=F(4)8F(3)8D04+.58F(4)8F(4)8D05
      D23=S(AMUSDTO.08.09.D10)
      D24=S(AMUSDTO.07.08.09)
90      B1=(AMUST12+ALT/T10)8SATU8S28(DUP8(PH118D7+D19)
      1+R128(PH118DU2+D20))
      B2=-DUP8AMUSSATU8(1.+D10/(T10+T1282)82.)8(D23+D24)
      B3=DUP8(SATU8(PH118D33+D59)-DC08D34)+R128(SATU8(PH1182.8DU
      1+D61)-DC08D33)
95      B4=(AMUST12+ALT/T10)8SATU8S28(DUP8(PH118D11+D65)+R128(DU
      1PH11+D66))
      B5=-AMUSSATU8(1.+2.8D10/(T10+T1282))8(DUP8D37+R128D38)
      B6=DUP8(SATU8(PH118D47+D67)-DC08D48)+R128(SATU8(PH11+D68)
      1-DC08D47)
100      RETURN
      DC0=F(3)
      D10=F(2)
      D11=DF1+8128DF2
      D12=DF3+8128DF4
      D13=DF5+8128DF6
105      D14=DF7+8128DF9+R128R128DF10
      D15=DF5+8128DF11+R128DF128R12
      D31=257142857
      IF(AS.LE.0) GO TO 9
      DU=AS/F(4)
      DU2=DU8DU
      DU3=DU28DU
      DU4=DU881.5
      DU5=DU48DU2
      DU7=DU28(1.-1.1428571438DU4+.48DU3)
      DU8=DU28(1.+2.48DU38(1.+1041666678DU3))-2.2857142868DU58(1.
      1+.5384615398DU3)
      DU9=DU28(1.+6.8DU38(1.+6258DU38(1.+0484848488DU3)))
      1-3.4285714288DU38(1.+1.7948717958DU38(1.+2052631588DU3)))
120      DU10=DU28(1.+11.28DU38(1.+1.56288DU38(1.+2989090918DU38(1.+
      1.0280612248DU3)))8.5714285718DU58(1.+3.7692307698DU38(1.+
      2.6842105268DU38(1.+1085714298DU3)))
      D15=DF5.08
      D17=D31-D7
125      D19=F1(AMUSDTO.08.09.D10)
      D20=F1(AMUSDTO.07.08.09)
      D23=S(AMUSDTO.08.09.D10)
      D24=S(AMUSDTO.07.08.09)
      DUU=(1.-DU4)882
      D33=2.8DU8DUU
      D34=D338DUU
      D35=D348DUU
      D36=D358DUU
      PH11=1.-PH1
      DUM=1.-R12
      SD59=F1(AMUSDTO.D34.D35.D36)
      SD61=F1(AMUSDTO.D33.D34.D35)
135      DD1C=DUM8(DC08D15+SATU8(PH118D7+D19))+R128(DC08D17+
      1SATU8(PH118DU2+D20))
      DD1C=SATU8(PH118DU2+D20)+D178DC0
      DD7=D78DC0-(PH118DU2+D20)8SATU
      D7=SATU8S28(AMUST12+ALT/T10)8(DUP8(D78PH11+D19)+R128(
      1PH118DU2+D20))
      B8=-2.8D108AMUSSATU/(T10+T1282)8(DUM8D23+R128D24)
      B9=AMUSSATU8(DUM8D23+R128D24)
      B10=DUM8(SATU8(PH118D33+D59)-DC08D34)+R128(SATU8(PH1182.8
      1DU+D61)-DC08D36)
      B9P=DUM8D15+R128D17
      GO TO 9
140      DC0=1.-D10-D1282
      D10=1.-D10-D1282
      DUM=F(1)
      PH11=1.-PH1
      D31=257142857
      D32=DF1
      D11=D108(.58F(2)8F(2)+F(4)8F(2)8D32+.58F(4)8F(4)8D31)
      D14=.58F(3)8F(3)+F(4)8F(3)8DF7+.58F(4)8F(4)8DF5
155      D15=.58F(2)8F(2)+F(4)8F(2)8DF7+DPS8.58F(4)8F(4)
      D16=DF78F(3)+DF58F(4)
      D17=D728F(3)+D318F(4)

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DECK12 80
DECK12 81
DECK12 82
DECK12 83
DECK12 84
DECK12 85
DECK12 86
DECK12 87
DECK12 88
DECK12 89
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DECK12 92
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DECK12 100
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160 D18=DC08(.58F(3)8F(3)+.458F(4)8F(3)+F(4)8F(4)8.58D31)
    IF(RS.LE.0.) GO TO 9
    DU=RS/F(4)
    D02=DUMDU
    D03=D028DU
    D04=D0881.5
    D05=D028DU4
    D7=D028(1.-1.142857143DU4+.58DU3)
    D8=D028(1.+2.48DU3(1.+1041666678DU3))-2.2857142868DU58(1.
1  +.5784615398DU3)
    D9=D028(1.+8.8DU38(1.+6258DU38(1.+0464848488DU3)))
170 1-1.785714286DU3(1.+1.785714286DU38(1.+285714286DU3))
    D10=D028(1.+11.88DU38(1.+1.8428DU38(1.+28888888918DU38(1.+
1  0.288412248DU3))) -4.8715285718DU58(1.+3.7692307698DU38(1.+
2  6.84105268DU38(1.+1088714298DU3)))
    D11=D028(1.+11.88DU38(1.+1.8428DU38(1.+28888888918DU38(1.+
175 1  0.288412248DU3))) -4.8715285718DU58(1.+3.7692307698DU38(1.+
2  6.84105268DU38(1.+1088714298DU3)))
    D12=D08(1.+1.68DU38(1.+0.9623809588DU3))-1.68DU48DU8(1.+
1  4.6484848488DU3)
    D13=D08(1.+3.768DU38(1.+5714285718DU38(1.+0466666678DU3)))
1-2.788DU38(1.+1.515151518DU38(1.+1951.74578DU3))
    D14=D08(1.+7.8DU38(1.+1.6285714298DU38(1.+288DU38(1.+027472627
180 18DU3))) -3.28DU48DU8(1.+3.1818181828DU38(1.+6470588248DU38(1.
2+ 1055900428DU3)))
    D15=D08-D8
    D16=D07-D12
    D17=D03-D07
185 D18=D01-D11
    D19=F1(RMUSDTO.D8.D9.D10)
    D20=F1(RMUSDTO.D7.D8.D9)
    D23=S(RMUSDTO.D8.D9.D10)
    D24=S(RMUSDTO.D7.D8.D9)
190 D27=S(RMUSDTO.D12.D13.D14)
    D38=S(RMUSDTO.D11.D12.D13)
    DUU=(1.-DU4)882
    D33=2.8DU8DUU
    D34=D338DUU
    D35=D348DUU
195 D36=D358DUU
    D47=DUU
    D48=DUMSDUU
    D49=D488DU47
    D50=D488DU48
200 D59=F1(RMUSDTO.D34.D35.D36)
    D60=D238(-1.-2.8DTO/(T10+T1282))
    D61=F1(RMUSDTO.D33.D34.D35)
    D62=-((1.+2.8DTO/(T10+T1282))8D24
205 D63=F1(RMUSDTO.D12.D13.D14)
    D64=F1(RMUSDTO.D11.D12.D13)
    D67=F1(RMUSDTO.D48.D49.D50)
    D68=F1(RMUSDTO.D47.D48.D49)
    D69=-((1.+2.8DTO/(T10+T1282))8D37
210 D70=-((1.+2.8DTO/(T10+T1282))8D38
    D04=(PM118DU+D65)8SATU+DC08D18
    D06=D78DCO-SATU8(D20+PM118DU2)
    D06=D118DCO-SATU8(D66+PM118DU)
    D010=DUM8(DC08D18+SATU8(PM118D07+D19))+R128(DC08D17+SATU8(PM1
215 18DU2+D20))
    D011=DUM8(DC08D16+SATU8(PM118D11+D65))+R128(DC08D18+SATU8(DU
1  8PM11+D66))
    D12=DC08.58F(3)8F(3)+F(4)8F(3)8D04+F(4)8F(4)8.58DD3
    D13=F(4)8F(3)8D05+F(4)8F(4)8.58D05
220 D11=SATU8S28(RMUSTI2+ALT/T10)8(DUM8(PM118D07+D19)+R128(PM118
1  DU2+D20))
    D12=DC08D18+(D19+PM118D07)8SATU
    D13=SATU8RMUST(DUM8D69+R128D02)
    D14=DUM8(SATU8(PM118D33+D59)-DC08D34)+R128(SATU8(PM118DU2
225 1+D61)-DC08D33)
    D15=SATU8S28(RMUSTI2+ALT/T10)8(DUM8(PM118D11+D65)+R128(
1  PM118DU+D66))
    D16=DC08D16+SATU8(D65+PM118D11)
    D17=RMU8SATU8(DUM8D69+R128D02)
230 D18=DUM8(SATU8(PM118D47+D67)-DC08D48)+R128(SATU8(PM11+D68)-
1  DC08D47)
    GO TO 9
    S
    DCO=F(3)
    DT0=F(2)
235 DUM=F(1)
    PH11=1.-PHI
    SD31=.257142857
    IF(RS.LE.0.) GO TO 9

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240 DU=RS/F(4)
    DU2=DU*DU
    DU3=DU2*DU
    DU4=DU3*DU
    DU5=DU4*DU
    D7=DU28(1, -1, 1428571438DU4+ 48DU3)
    D8=DU28(1, +2, 48DU38(1, + 1041666678DU3))-2, 2857142868DU58(1,
245 1, 538461538DU3))
    D9=DU28(1, +6, 8DU38(1, + 6258DU38(1, + 048484848DU3)))
    1-3, 4285714298DU58(1, +1, 7948717988DU38(1, + 2052631588DU3))
    D10=DU28(1, +11, 28DU38(1, +1, 56258DU38(1, + 2909090918DU38(1, +
    1, 028061228DU3))) -4, 5714285718DU58(1, +3, 7492307498DU38(1, +
250 2, 6842105268DU38(1, + 1085714258DU3)))
    D15=DF5-D8
    D17= 257142857-D7
    D19=F1(RMU8D10, D8, D9, D10)
    D20=F1(RMU8D10, D7, D8, D9)
255 D31= 257142857
    DUU=(1, -DU4)*82.
    D11=2, 8DU8DUU
    D36=D338DUU
    D35=D348DUU
260 D36=D358DUU
    DD7=DC08D7-SATU8(PH118DU2+D20)
    DD3C=DC08D17-SATU8(PH118DU2+D20)
    DD12=DUM8(DC08D15+SATU8(PH118D7+D19))+R128DD3C
    D19C=D19
265 D20C=D20
    D59C=F1(RMU8D10, D34, D35, D36)
    D61C = F1(RMU8D10, D33, D34, D35)
    RETURN
    END

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SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS 3 PARAME DEF LINE 1 REFERENCES 100 268

VARIABLES	SM	TYPE	RELOCATION	REFS	1	90	95	140	220	226
6 AL		REAL	AND	REFS	7					
14 ALY		REAL	AND	REFS	7					
43 A7		REAL	OUT	REFS	7					
7 BE		REAL	AND	REFS	7					
31 B1		REAL	PAR1	REFS	7	DEFINED	90			
66 B10		REAL	PAR1	REFS	7	DEFINED	144			
55 B11		REAL	PAR1	REFS	7	DEFINED	220			
56 B12		REAL	PAR1	REFS	7	DEFINED	222			
57 B13		REAL	PAR1	REFS	7	DEFINED	223			
60 B14		REAL	PAR1	REFS	7	DEFINED	224			
61 B15		REAL	PAR1	REFS	7	DEFINED	226			
62 B16		REAL	PAR1	REFS	7	DEFINED	228			
63 B17		REAL	PAR1	REFS	7	DEFINED	229			
64 B18		REAL	PAR1	REFS	7	DEFINED	230			
44 B2		REAL	PAR1	REFS	7	DEFINED	92			
45 B3		REAL	PAR1	REFS	7	DEFINED	93			
46 B4		REAL	PAR1	REFS	7	DEFINED	95			
47 B5		REAL	PAR1	REFS	7	DEFINED	97			
50 B6		REAL	PAR1	REFS	7	DEFINED	98			
51 B7		REAL	PAR1	REFS	7	DEFINED	140			
52 B8		REAL	PAR1	REFS	7	DEFINED	142			
53 B9		REAL	PAR1	REFS	7	DEFINED	143			
54 B99		REAL	PAR1	REFS	7	DEFINED	146			
42 C0		REAL	OUT	REFS	7					
1 C10		REAL	AND	REFS	7	25	148			
1 C12		REAL	AND	REFS	7	25	148			
1703 C1	8	REAL	DEFINED	REFS	17					
1704 C2		REAL	REFS	REFS	19	20	DEFINED	18		
1710 DCO		REAL	REFS	REFS	36	2878	2880	82	83	84
				86	2893	2898	28136	138	139	28144
				211	212	213	28214	28216	218	28224
				228	28230	261	262	263	DEFINED	25
				148	233					101
22 DD1		REAL	PAR1	REFS	7	DEFINED	78			
30 DD1C		REAL	PAR1	REFS	7	DEFINED	136			
25 DD10		REAL	PAR1	REFS	7	DEFINED	214			

[illegible]

VARIABLES	SM	TYPE	RELOCATION	REFS	DEFINED	74	75	190	191	205
1722 D13	REAL			REFS 206	DEFINED 68	69	74	190	191	205
1723 D14	REAL			REFS 68	DEFINED 68	74	177	205	DEFINED 56	179
12 D16	REAL		PAR1	REFS 2	DEFINED 2	28	176	214	222	263
1724 D16	REAL			REFS 59	DEFINED 123	123	182	251	251	251
15 D17	REAL		PAR1	REFS 80	DEFINED 216	216	228	DEFINED 60	183	214
1725 D18	REAL			REFS 7	DEFINED 7	7	82	136	138	146
1726 D19	REAL			REFS 262	DEFINED 61	61	124	184	252	252
13 D19C	REAL		PAR1	REFS 80	DEFINED 83	83	211	216	DEFINED 62	185
1 D2	REAL		PAR1	REFS 78	DEFINED 90	90	136	140	214	220
1727 D20	REAL			REFS 264	DEFINED 264	264	63	125	186	253
14 D20C	REAL		PAR1	REFS 7	DEFINED 7	7	263	104	104	139
1754 D23	REAL			REFS 78	DEFINED 82	82	28	90	136	138
1755 D24	REAL			REFS 212	DEFINED 212	212	220	261	262	265
2 D3	REAL		PAR1	REFS 64	DEFINED 64	64	187	259	259	259
65 D31	REAL		PAR1	REFS 92	DEFINED 92	92	142	202	DEFINED 88	127
1712 D32	REAL			REFS 188	DEFINED 188	188	143	204	DEFINED 89	128
20 D33	REAL		PAR1	REFS 7	DEFINED 7	7	29	105	154	158
21 D34	REAL		PAR1	REFS 7	DEFINED 7	7	36	124	154	158
1731 D35	REAL			REFS 189	DEFINED 189	189	108	152	246	255
1733 D36	REAL			REFS 35	DEFINED 35	35	158	158	158	158
1732 D37	REAL			REFS 7	DEFINED 7	7	75	2893	131	135
1734 D38	REAL		PAR1	REFS 203	DEFINED 203	203	258	267	DEFINED 66	130
3 D4	REAL			REFS 194	DEFINED 194	194	258	267	DEFINED 66	130
1735 D47	REAL		PAR1	REFS 257	DEFINED 257	257	74	75	93	132
1736 D48	REAL			REFS 135	DEFINED 135	135	201	203	224	259
1737 D49	REAL			REFS 267	DEFINED 267	267	131	194	258	259
4 D5	REAL		PAR1	REFS 69	DEFINED 69	69	74	75	133	134
1740 D50	REAL			REFS 201	DEFINED 201	201	260	266	267	135
1742 D59	REAL			REFS 68	DEFINED 68	68	132	195	259	259
16 D59C	REAL		PAR1	REFS 74	DEFINED 74	74	201	266	DEFINED 69	133
5 D6	REAL		PAR1	REFS 126	DEFINED 126	126	209	210	190	191
1757 D60	REAL			REFS 97	DEFINED 97	97	210	210	191	191
1754 D61	REAL		PAR1	REFS 7	DEFINED 7	7	30	30	2898	2898
1760 D62	REAL			REFS 72	DEFINED 72	72	76	77	98	199
1741 D65	REAL			REFS 207	DEFINED 207	207	76	77	198	200
1743 D66	REAL		PAR1	REFS 76	DEFINED 76	76	207	208	DEFINED 72	199
1746 D67	REAL			REFS 31	DEFINED 31	31	106	107	200	201
1750 D68	REAL		PAR1	REFS 76	DEFINED 76	76	207	208	208	208
1761 D69	REAL			REFS 93	DEFINED 93	93	144	224	224	224
6 D7	REAL		PAR1	REFS 7	DEFINED 7	7	224	224	224	224
10 D9	REAL		PAR1	REFS 223	DEFINED 223	223	224	224	224	224
0 F	REAL	ARRAY	F. P.	REFS 223	DEFINED 223	223	224	224	224	224
10 FR	REAL		AND	REFS 223	DEFINED 223	223	224	224	224	224
12 FRL	REAL		AND	REFS 223	DEFINED 223	223	224	224	224	224

VARIABLES		SN	TYPE	RELOCATION	REFS	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
41	GA		REAL	AMB	REFS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

STATEMENT LABELS

DEF. LINE

REFERENCES

474 9 100 37 109 147 160 232 237

COMMON BLOCKS

LENGTH

MEMBERS - BIAS NAME (LENGTH)

OUT

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PAR

55

0	T12	(1)	1	C12	(1)	2	C10	(1)
3	T10	(1)	4	P10	(1)	5	GA	(1)
6	AL	(1)	7	BE	(1)	8	FR	(1)
9	R1	(1)	10	FRL	(1)	11	RMU	(1)
12	ALT	(1)	13	SATU1	(1)	14	PMI	(1)
15	DEL	(1)	16	MF	(1)	17	RM	(1)
18	L	(1)	1	TH1	(1)	2	TH2	(1)
3	M	(1)	4	Z	(1)	5	SNEW	(1)
6	DS	(1)	7	R	(1)	8	K	(1)
9	H11	(18)	27	J3	(1)	28	J2	(1)
29	J5	(1)	30	JJ	(1)	31	SPACE	(1)
32	SIGMA	(1)	33	GAMMA	(1)	34	CD	(1)
35	BT	(1)	36	XXX	(1)	37	BS	(1)
38	ASH	(1)	39	XA	(1)	40	INDIC	(1)
41	SATU	(1)	42	J19	(1)	43	WATER	(1)
0	D1	(1)	1	D2	(1)	2	D3	(1)
1	D9	(1)	3	D5	(1)	4	D6	(1)
6	D7	(1)	7	D8	(1)	8	D9	(1)
9	D10	(1)	10	D15	(1)	11	D19C	(1)
12	D20C	(1)	13	D17	(1)	14	D59C	(1)
15	D61C	(1)	16	D11	(1)	17	D34	(1)
18	DD1	(1)	19	DD2	(1)	20	DD3	(1)
21	DD10	(1)	22	DD11	(1)	23	DD12	(1)
24	DD1C	(1)	25	DD1C	(1)	26	DD7	(1)
27	D11	(1)	28	D12	(1)	29	D13	(1)
30	D16	(1)	31	D15	(1)	32	D16	(1)
33	D17	(1)	34	D18	(1)	35	01	(1)
36	02	(1)	37	03	(1)	38	04	(1)
39	05	(1)	40	06	(1)	41	07	(1)
42	08	(1)	43	09	(1)	44	099	(1)
45	011	(1)	46	012	(1)	47	013	(1)
48	014	(1)	49	015	(1)	50	016	(1)
51	017	(1)	52	018	(1)	53	011	(1)
54	010	(1)						

STATISTICS

PROGRAM LENGTH

17938 1011

CM LABELED COMMON LENGTH

1650 117

552000 CM USED

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1 SUBROUTINE PARAM3(F,INDIC) DECK13 1
2 DIMENSION F(6),N11(18) DECK13 2
3 COMMON/PG7/111,1111,1111,1111,1111,1111 DECK13 3
4 COMMON/PG8/111,1111,1111,1111,1111,1111 DECK13 4
5 COMMON/PG9/T12,C12,C10,T10,P10,GA,AL,BE,FR,R4,FRL,RMU,ALT,SATU1, DECK13 5
6 1PM1,DEL,MP,GM DECK13 6
7 COMMON/OUT/L,TM1,TM2,M,Z,SWEN,DS,R,K,N11,J3,J2,J5,JJ,SPACE,SIGMA DECK13 7
8 1,PARAM,CG,AS,XXX,AS,AS,NA,IMD1,SATU,111,1111 DECK13 8
9 COMMON/PG10/TJ101,TJ102,TJ103,TJ104,TJ105,TJ106,TJ107,TJ108,TJ109,TJ110, DECK13 9
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[illegible]

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    TJJ110=TJ3701-(TJ3702+TJ3703)-(TJ3801+TJ3802+TJ3803)+TJ4102+TJ4103+TJ4104
    TJJ120=TJ3801-(TJ3701+TJ3702+TJ3703)-(TJ3901+TJ3902+TJ3903)+TJ4202+TJ4203+TJ4204
    1+2,ST1111
    TJJ120=(TJJ3701+TJJ3801+TJJ3901)SF5
    165 TJJ120=(TJJ3701+TJJ3801+TJJ3901)SF5
    TJJ120=(RMUSDTO,TJ3701,TJ3702,TJ3703)+F1(RMUSDTO,TJ3801,TJ3802,
    1TJ3803)+F1(RMUSDTO,TJ3901,TJ3902,TJ3903)+F1(RMUSDTO,TJ3802,TJ3803,
    1TJ3804)+F1(RMUSDTO,TJ3902,TJ3903,TJ3904)+F1(RMUSDTO,TJ3802,TJ3803,
    170 TJJ120=F1(RMUSDTO,TJ3802,TJ3803,TJ3902)+F1(RMUSDTO,TJ3802,TJ3803,
    1TJJ3804)+F1(RMUSDTO,TJ3902,TJ3903,TJ3904)
    IF(LL.EQ.-1) GO TO 18
    175 GO TO 50
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25 CALL XINT6(SP2, DU, XH, P1, P2, P3, T1481, T1482, T1483, T1484, T149, TJ48R1
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X)
T1132=T11323-T1482 SF6
T1134=F1(RHUSDTO, T1482, T1483, T1484)
T1135=T11313-T1481 SF5
T1136=ST149-SP28P3
T1137=F1(RHUSDTO, T1481, T1482, T1483)
T11313=DCOST1135+SATUR(PH118T1136+T1137)
T1138=DCOST11313-T1135-SATUR(PH118T1136+T1137)
TJJ228=TJJ2103-TJ4802 SF6
T11328=T11313-(T14802+2*ST1482)SF6
TJJ231=G(RHUSDTO, T1482, T1483, T1484)
TJJ238=F1(RHUSDTO, TJ48R2, TJ48R3, TJ48R4)
TJJ230=F1(RHUSDTO, TJ4802, TJ4803, TJ4804)
TJJ238=TJJ2003-TJ4801 SF5
TJJ240=TJJ2003-(TJ4801+2*ST1481)SF5
TJJ258=TJ4902, S-SP2
TJJ250=TJ4902, S+T149
T1125=G(RHUSDTO, T1481, T1482, T1483)
TJJ258=F1(RHUSDTO, TJ4801, TJ4802, TJ4803)
TJJ260=F1(RHUSDTO, TJ4801, TJ4802, TJ4803)
IF(ILL EQ. -1) GO TO 35
GO TO 50
7 DO=F(2)
DCO=F(3)
DU=RS/F(4)
P1=F(1)/F(4)
SP1=SPACE/F(4)
SP2=SP18, S
R1=-SP1+2, SP1+1
IF(R1, ST, 0) GO TO 20
270 CALL XINT7(SP2, P1, T1191, T1231, T1241, T1201, T1221, T1251, T1261,
T11, T12, T14, T15, T16, TJ1, TJ2, TJ4, TJ5, TJ6, TJ19R1, TJ1901, TJ20R1, TJ200
21, TJ22R1, TJ2201, TJ23R1, TJ2301, TJ24R1, TJ2401, TJ25R1, TJ2501, TJ26R1,
TJ2601, 111)
T1101=(T1191+P111(T1231+T1241))SF5
T11021=(T1221+F28(T1251+T1261))SF6
T1139=F28(T14+T15+T16) SF6
T1140=F118(T11+T12) SF5
TJJ101=(TJ1901+P111(TJ2301+TJ2401))SF5
TJJ101=(TJ1901+P111(TJ2301+TJ2401))SF5
TJJ201=(TJ2201+F28(TJ2501+TJ2601))SF6
TJJ201=(TJ2201+F28(TJ2501+TJ2601))SF6
TJJ30=2, ST11021+TJJ201
TJJ27=F28(TJ4+TJ5+TJ6)SF6+T113982
TJJ28=F118(TJ1+TJ2)SF5+T114082
285 IF(RS, LE, 0) GO TO 60
IF(INDIC-2) 17, 18, 19
17 CALL XINT8(SP2, P1, DU, T17, T18, T19, T110, TJ7, TJ8, TJ9, TJ10, IL)
T1141=F118(T11+T12)SF5-T178F5
T1142=F1(RHUSDTO, T17, T18, T19)
T1143=DCOST1142, S
T1150=T1139-T188F6 ST1152=T178F5
T1151=F1(RHUSDTO, T18, T19, T110)
T1159=DCOST1141+SATUR(PH118T1143+T1142)
T1160=DCOST1159-T1159
TJJ29=TJJ28-(TJ7+T1782)SF5
TJJ10=G(RHUSDTO, T17, T18, T19)
TJJ100=F1(RHUSDTO, TJ8, TJ9, TJ10)
TJJ35=TJJ27-(TJ8+T1802)SF6
TJJ36=G(RHUSDTO, T18, T19, T110)
TJJ360=F1(RHUSDTO, TJ8, TJ9, TJ10)
TJJ37=(TJ7+T1782)SF5
GO TO 60
18 DUU=RSN/F(4)
CALL XINT9(SP2, P1, DU, DUU, T17P, T18P, T19P, T110P, T111, T112, T113, T114
1, T17P, T18P, T19P, T110P, T111, T112, T113, T114, ILL)
T1146=T1140-(T17P+T111)SF5
T1145=F1(RHUSDTO, T17P, T18P, T19P)+F1(RHUSDTO, T111, T112, T113)
T1146=PIE28, S80USD0U
T1153=T1139-(T18P+T112)SF6
T1154=F1(RHUSDTO, T18P, T19P, T110P)+F1(RHUSDTO, T112, T113, T114)
T1155=(T17P+T111)SF5
T1161=DCOST1146+SATUR(PH118T1146)
T1162=DCOST1161-T1161
TJJ31=TJJ26-(T17P+T111+2*ST17P+T1111)SF5
TJJ32=G(RHUSDTO, T17P, T18P, T19P)+G(RHUSDTO, T111, T112, T113)
TJJ320=F1(RHUSDTO, TJ7P, TJ8P, TJ9P)+F1(RHUSDTO, TJ11, TJ12, TJ13)

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	TJJ18=TJJ27-(TJSP+TJ12+2.8*(TISP+TJ12))SF6	DECK1	112
	TJJ19=G(RHUSDTO,TJSP,TJSP,TJ10P)*G(RHUSDTO,TJ12,TJ13,TJ14)	DECK1	113
	TJJ20=F1(RHUSDTO,TJSP,TJSP,TJ10P)*F1(RHUSDTO,TJ12,TJ13,TJ14)	DECK1	114
320	TJJ20=TJJ20-TJJ21	DECK1	115
	GO TO 50	DECK1	116
19	CALL XINT10(SP2,P1,DU,KN,TJ7P1,TJ8P1,TJ9P1,TJ10P1,TJ11P,TJ12P,	DECK1	117
	TJ11P,TJ14P,TJ7P1,TJ8P1,TJ9P1,TJ10P1,TJ11P,TJ12P,TJ13P,TJ14P,ILL)	DECK1	118
	TJ12P,TJ14P,TJ7P1,TJ8P1,TJ9P1,TJ10P1,TJ11P,TJ12P,TJ13P,TJ14P,ILL)	DECK1	119
325	TJ14P=F1(RHUSDTO,TJ7P1,TJ8P1,TJ9P1)*F1(RHUSDTO,TJ11P,TJ12P,	DECK1	120
	TJ11P)	DECK1	121
	TJ14P=PIE28.880USP2/SORT(KN)	DECK1	122
	TJ14P=TJ14P-TJ15P	DECK1	123
	TJ15P=F1(RHUSDTO,TJ7P1,TJ8P1,TJ9P1,TJ10P1)*F1(RHUSDTO,TJ12P,TJ13P,TJ14P)	DECK1	124
330	TJ15P=(TJ7P1+TJ11P)SF6	DECK1	125
	TJ16P=DCOST1147*SATUS(PH118T1149+TJ14P)	DECK1	126
	TJ16P=DCOST1149-TJ16P	DECK1	127
	TJJ23=TJJ20-(TJ7P1+TJ11P)*2.8*(TJ7P1+TJ11P)SF6	DECK1	128
	TJJ24=G(RHUSDTO,TJ7P1,TJ8P1,TJ9P1)*G(RHUSDTO,TJ11P,TJ12P,TJ13P)	DECK1	129
335	TJJ24=F1(RHUSDTO,TJ7P1,TJ8P1,TJ9P1)*F1(RHUSDTO,TJ11P,TJ12P,TJ13P)	DECK1	130
	TJJ25=TJJ23-TJ12P+2.8*(TJ7P1+TJ11P)SF6	DECK1	131
	TJJ25=TJJ25-TJJ26	DECK1	132
	TJJ26=G(RHUSDTO,TJ7P1,TJ8P1,TJ9P1)*G(RHUSDTO,TJ12P,TJ13P,TJ14P)	DECK1	133
	TJJ26=F1(RHUSDTO,TJ7P1,TJ8P1,TJ9P1)*F1(RHUSDTO,TJ12P,	DECK1	134
340	TJ13P,TJ13P)	DECK1	135
	GO TO 50	DECK1	136
20	CALL XINT11(SP2,P1,TJ211,TJ271,TJ201,TJ3,TJJ,TJ20R1,TJ20B1,	DECK1	137
	TJ21R1,TJ21B1,TJ27R1,TJ27B1)	DECK1	138
	TJJ21P=PIE28.880USP2/SORT(KN)	DECK1	139
345	TJJ21P=TJJ21P-TJJ22P	DECK1	140
	TJJ22P=PIE28.880USP2/SORT(KN)	DECK1	141
	TJJ22P=TJJ22P-TJJ23P	DECK1	142
	TJJ23P=PIE28.880USP2/SORT(KN)	DECK1	143
	TJJ23P=TJJ23P-TJJ24P	DECK1	144
350	TJJ24P=PIE28.880USP2/SORT(KN)	DECK1	145
	TJJ24P=TJJ24P-TJJ25P	DECK1	146
	IF(RS,LE,0.) GO TO 50	DECK1	147
	IF(INDIC,NE,3) GO TO 50	DECK1	148
15	CALL XINT 12(SP2,P1,DU,KN,TJ15,TJ16,TJ17,TJ18,TJ15,TJ16,TJ17,TJ18,	DECK1	149
	TJ15,TJ16,TJ17,TJ18)	DECK1	150
355	TJ16P=F1(RHUSDTO,TJ15,TJ16,TJ17,TJ18)	DECK1	151
	TJ16P=TJ16P-TJ17P	DECK1	152
	TJ17P=PIE28.880USP2/SORT(KN)	DECK1	153
	TJ17P=DCOST1167*SATUS(PH118T1169+TJ16P)	DECK1	154
360	TJ17P=DCOST1167-TJ17P	DECK1	155
	TJJ26=TJJ23-TJ16P+2.8*(TJ15+TJ16)	DECK1	156
	TJJ26=TJJ26-TJ17P	DECK1	157
	TJJ27=G(RHUSDTO,TJ15,TJ16,TJ17,TJ18)	DECK1	158
365	TJJ27=F1(RHUSDTO,TJ15,TJ16,TJ17,TJ18)	DECK1	159
	TJJ28=G(RHUSDTO,TJ15,TJ16,TJ17)	DECK1	160
	TJJ28=F1(RHUSDTO,TJ15,TJ16,TJ17)	DECK1	161
	GO TO 50	DECK1	162
16	DCO=1-TJ10-TJ282	DECK1	163
	DCO=1-(10-TJ282)	DECK1	164
370	IF(LE,EO,-1) DCO = F(3)	DECK1	165
	DU=RS/F(4)	DECK1	166
	P2=F(2)/F(4)	DECK1	167
	P3=F(3)/F(4)	DECK1	168
375	SP1=SPACE/F(4)	DECK1	169
	SP2=SP18.5	DECK1	170
	P2=-SP1+2.8P2+1	DECK1	171
	P3=-SP1+2.8P3+1	DECK1	172
	IF(R2,GT,0.,AND,R3,GT,0.) GO TO 30	DECK1	173
380	CALL XINT13(SP2,P2,P3,TJ1,TJ2,TJ3,TJ4,TJ5,TJ6,TJ192,TJ193,TJ232,	DECK1	174
	TJ233,TJ234,TJ235,TJ236,TJ237,TJ238,TJ239,TJ240,TJ241,TJ242,	DECK1	175
	TJ243,TJ244,TJ245,TJ246,TJ247,TJ248,TJ249,TJ250,TJ251,TJ252,	DECK1	176
	TJ253,TJ254,TJ255,TJ256,TJ257,TJ258,TJ259,TJ260,TJ261,TJ262,	DECK1	177
	TJ263,TJ264,TJ265,TJ266,TJ267,TJ268,TJ269,TJ270,TJ271,TJ272,	DECK1	178
385	TJ273,TJ274,TJ275,TJ276,TJ277,TJ278,TJ279,TJ280,TJ281,TJ282,	DECK1	179
	TJ283,TJ284,TJ285,TJ286,TJ287,TJ288,TJ289,TJ290,TJ291,TJ292,	DECK1	180
	TJ293,TJ294,TJ295,TJ296,TJ297,TJ298,TJ299,TJ300,TJ301,TJ302,	DECK1	181
	TJ303,TJ304,TJ305,TJ306,TJ307,TJ308,TJ309,TJ310,TJ311,TJ312,	DECK1	182

DECK13	390
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ENTRY POINTS	DEF LINE	REFERENCES
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[illegible]

VARIABLES SM TYPE RELOCATION

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					238	244	377	379	402	406	408	417
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2	R	REAL		OUT	REFS							
21	RM	REAL		AMB	REFS		36					
13	RMU	REAL		AMB	REFS		28102	28105	28115	28116	28118	28122
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003	003	003	REAL	PAR4	DEF	DEF	DEFINED	308	433	332
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066	066	066	REAL	PAR4	DEF	DEF	DEFINED	309		
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072	072	072	REAL	PAR4	DEF	DEF	DEFINED	309		
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163	163	163	REAL	PAR4	DEF					

[illegible]

[illegible]

VARIABLES	SN	TYPE	RELOCATION						
137	TJJ42	REAL	PAR3	REFS	9	DEFINED	338		
136	TJJ420	REAL	PAR3	REFS	9	DEFINED	339		
140	TJJ43	REAL	PAR3	REFS	9	DEFINED	337		
141	TJJ44	REAL	PAR3	REFS	9	DEFINED	341		
142	TJJ45	REAL	PAR3	REFS	9	DEFINED	342		
144	TJJ450	REAL	PAR3	REFS	9	DEFINED	343		
143	TJJ46	REAL	PAR3	REFS	9	DEFINED	344		
146	TJJ47	REAL	PAR3	REFS	9	DEFINED	345		
145	TJJ470	REAL	PAR3	REFS	9	DEFINED	346		
25	TJJ480	REAL	PAR3	REFS	9	DEFINED	128		
24	TJJ4802	REAL	PAR3	REFS	9	DEFINED	127		
151	TJJ4902	REAL	PAR3	REFS	9	DEFINED	415		
152	TJJ4903	REAL	PAR3	REFS	9	DEFINED	416		
153	TJJ4902	REAL	PAR3	REFS	9	DEFINED	413		
154	TJJ4903	REAL	PAR3	REFS	9	DEFINED	414		
20	TJJ5	REAL	PAR3	REFS	9	DEFINED	115		
15	TJJ50	REAL	PAR3	REFS	9	DEFINED	118		
14	TJJ50	REAL	PAR3	REFS	9	DEFINED	116		
17	TJJ60	REAL	PAR3	REFS	9	DEFINED	121		
16	TJJ60	REAL	PAR3	REFS	9	DEFINED	120		
21	TJJ7	REAL	PAR3	REFS	9	DEFINED	122		
23	TJJ70	REAL	PAR3	REFS	9	DEFINED	125		
22	TJJ70	REAL	PAR3	REFS	9	DEFINED	123		
19	TJJ80	REAL	PAR3	REFS	9	DEFINED	151		
26	TJJ80	REAL	PAR3	REFS	9	DEFINED	149		
35	TJJ90	REAL	PAR3	REFS	9	DEFINED	154		
27	TJJ90	REAL	PAR3	REFS	9	DEFINED	153		
4732	TJ1	REAL		REFS	270	283	379	391	430 435
4736	TJ10	REAL		REFS	287	297	300		
4772	TJ10P	REAL		REFS	304	319			
5012	TJ10P1	REAL		REFS	322	339			
4773	TJ11	REAL		REFS	304	314	316		
5013	TJ11P	REAL		REFS	322	333	335		
4774	TJ12	REAL		REFS	304	316	317	319	
5014	TJ12P	REAL		REFS	322	335	336	339	
4775	TJ13	REAL		REFS	304	316	319		
5015	TJ13P	REAL		REFS	322	335	339		
4776	TJ14	REAL		REFS	304	319			
5016	TJ14P	REAL		REFS	322	339			
130	TJ15	REAL	PAR4	REFS	21	352	364	365	
5022	TJ16	REAL		REFS	352	361	363	366	
5023	TJ17	REAL		REFS	352	363			
5024	TJ18	REAL		REFS	352	363			
4455	TJ1901	REAL		REFS	51	69	270	273	
4456	TJ1902	REAL		REFS	51	68	379	395	
4457	TJ1903	REAL		REFS	51	67	82	83	84 85 87
4433	TJ1901	REAL		REFS	379	394			
4434	TJ1902	REAL		REFS	51	64	270	278	
4435	TJ1903	REAL		REFS	51	65	379	392	
4743	TJ2	REAL		REFS	379	393	76	77	78 79 81
123	TJ2001	REAL	PAR4	REFS	270	284	379	391	430 435
122	TJ2001	REAL	PAR4	REFS	21	51	215	270	342
125	TJ2101	REAL	PAR4	REFS	21	215	230	342	348
4717	TJ2102	REAL	PAR4	REFS	215	231	402	411	
4720	TJ2103	REAL		REFS	215	232	409	412	
124	TJ2101	REAL	PAR4	REFS	21	215	224	342	345
4712	TJ2102	REAL		REFS	215	225	402	409	
4713	TJ2103	REAL		REFS	215	226	402	410	
4460	TJ2201	REAL		REFS	51	93	270	281	
4461	TJ2202	REAL		REFS	51	92	379	399	
4462	TJ2203	REAL		REFS	51	86	91	379	398
4436	TJ2201	REAL		REFS	51	88	270	280	
4437	TJ2202	REAL		REFS	51	89	379	396	
4440	TJ2203	REAL		REFS	51	80	90	379	397
4463	TJ2301	REAL		REFS	51	69	270	279	
4464	TJ2302	REAL		REFS	51	68	379	395	
4465	TJ2303	REAL		REFS	51	67	379	394	
4441	TJ2301	REAL		REFS	51	64	270	278	
4442	TJ2302	REAL		REFS	51	65	379	392	
4443	TJ2303	REAL		REFS	51	66	379	391	
4466	TJ2401	REAL		REFS	51	69	270	279	192 379 393
4467	TJ2402	REAL		REFS	51	68	379	395	
4470	TJ2403	REAL		REFS	51	67	113	379	394
4444	TJ2401	REAL		REFS	51	64	270	278	
4445	TJ2402	REAL		REFS	51	65	379	392	
4446	TJ2403	REAL		REFS	51	66	112	191	192 379 393
4471	TJ2501	REAL		REFS	51	93	270	281	

VARIBLES	SM	TYPE	RELOCATION						
4472	TJ3000	REAL	REF	51	92	379	399		
4473	TJ3000	REAL	REF	91	91	162	201	379	398
4474	TJ3000	REAL	REF	91	88	270	280		
4475	TJ3000	REAL	REF	91	90	161	202	379	397
4476	TJ3000	REAL	REF	91	93	270	281		
4477	TJ3000	REAL	REF	91	92	379	399		
4478	TJ3000	REAL	REF	91	91	161	201	379	398
4479	TJ3000	REAL	REF	91	90	161	202		
4480	TJ3000	REAL	REF	91	90	120	202	379	397
4481	TJ3000	REAL	REF	91	90	162	202		
4482	TJ3000	REAL	REF	215	215	402	419		
4483	TJ3000	REAL	REF	215	215	342	347		
4484	TJ3000	REAL	REF	215	215	402	419		
4485	TJ3000	REAL	REF	113	118	128	DEFINED	82	
4486	TJ3000	REAL	REF	118	121	125	DEFINED	83	
4487	TJ3000	REAL	REF	118	125	DEFINED	84		
4488	TJ3000	REAL	REF	112	116	127	DEFINED	76	
4489	TJ3000	REAL	REF	116	120	123	DEFINED	77	
4490	TJ3000	REAL	REF	116	120	123	DEFINED	78	
4491	TJ3000	REAL	REF	121	162	203	DEFINED	86	
4492	TJ3000	REAL	REF	120	161	202	DEFINED	80	
4493	TJ3000	REAL	REF	215	215	364	364	379	402 430
4494	TJ3001	REAL	REF	97	113	118	128		
4495	TJ3002	REAL	REF	97	118	121	125		
4496	TJ3003	REAL	REF	97	118	125			
4497	TJ3004	REAL	REF	97	112				
4498	TJ3005	REAL	REF	97	116	116	127		
4499	TJ3006	REAL	REF	97	116	120	123		
4500	TJ3007	REAL	REF	97	123				
4501	TJ3008	REAL	REF	97	121				
4502	TJ3009	REAL	REF	97	120				
4503	TJ3010	REAL	REF	97	121				
4504	TJ3011	REAL	REF	97	120				
4505	TJ3012	REAL	REF	113	151	192	DEFINED	87	
4506	TJ3013	REAL	REF	112	149	191	DEFINED	81	
4507	TJ3014	REAL	REF	97	113				
4508	TJ3015	REAL	REF	97	112				
4509	TJ3016	REAL	REF	97	112				
4510	TJ3017	REAL	REF	132	151	159	165		
4511	TJ3018	REAL	REF	132	159	170			
4512	TJ3019	REAL	REF	132	170				
4513	TJ3020	REAL	REF	132	149	157	164		
4514	TJ3021	REAL	REF	132	157	161	168		
4515	TJ3022	REAL	REF	132	157	168			
4516	TJ3023	REAL	REF	132	168				
4517	TJ3024	REAL	REF	132	151	159	165		
4518	TJ3025	REAL	REF	132	159	162	170		
4519	TJ3026	REAL	REF	132	159	170			
4520	TJ3027	REAL	REF	132	149	157	164		
4521	TJ3028	REAL	REF	132	157	161	168		
4522	TJ3029	REAL	REF	132	157	168			
4523	TJ3030	REAL	REF	132	168				
4524	TJ3031	REAL	REF	132	151	159	165		
4525	TJ3032	REAL	REF	132	159	162	170		
4526	TJ3033	REAL	REF	132	159	170			
4527	TJ3034	REAL	REF	132	149	157	164		
4528	TJ3035	REAL	REF	132	157	161	168		
4529	TJ3036	REAL	REF	132	157	168			
4530	TJ3037	REAL	REF	132	168				
4531	TJ3038	REAL	REF	132	151	159	165		
4532	TJ3039	REAL	REF	132	159	162	170		
4533	TJ3040	REAL	REF	132	159	170			
4534	TJ3041	REAL	REF	132	149	157	164		
4535	TJ3042	REAL	REF	132	157	161	168		
4536	TJ3043	REAL	REF	132	157	168			
4537	TJ3044	REAL	REF	132	168				
4538	TJ3045	REAL	REF	132	151	159	165		
4539	TJ3046	REAL	REF	132	159	162	170		
4540	TJ3047	REAL	REF	132	159	170			
4541	TJ3048	REAL	REF	132	149	157	164		
4542	TJ3049	REAL	REF	132	157	161	168		
4543	TJ3050	REAL	REF	132	157	168			
4544	TJ3051	REAL	REF	132	168				
4545	TJ3052	REAL	REF	270	283	379	390	430	434
4546	TJ3053	REAL	REF	132	151				
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4548	TJ3055	REAL	REF	132	149				
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4567	TJ3074	REAL	REF	132	162				
4568	TJ3075	REAL	REF	132	149				
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4593	TJ3100	REAL	REF	132	161				
4594	TJ3101	REAL	REF	132	151				
4595	TJ3102	REAL	REF	132	162				
4596	TJ3103	REAL	REF	132	149				
4597	TJ3104	REAL	REF	132	161				
4598	TJ3105	REAL	REF	132	151				
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4600	TJ3107	REAL	REF	132	149				
4601	TJ3108	REAL	REF	132	161				
4602	TJ3109	REAL	REF	132	151				
4603	TJ3110	REAL	REF	132	162				
4604	TJ3111	REAL	REF	132	149				
4605	TJ3112	REAL	REF	132	161				
4606	TJ3113	REAL	REF	132	151				
4607	TJ3114	REAL	REF	132	162				
4608	TJ3115	REAL	REF	132	149				
4609	TJ3116	REAL	REF	132	161				
4610	TJ3117	REAL	REF	132	151				
4611	TJ3118	REAL	REF	132	162				
4612	TJ3119	REAL	REF	132	149				

EXTERNALS	TYPE	ARGS	REFERENCES
ASIN	REAL	1	LIBRARY 438
PT	REAL	4	28102 28105 28116 28118 28123 28125 28140 28144 28157 28159 28168 28170 28181 28185 28198 28200 28209 28211 242 245 251 252 258 259 289 292 297 100 28307 28310 28316 28319 28325 28329 28335 28339 355 357 363 366
G	REAL	4	28115 28122 28155 28166 28196 28207 250 257 296 299 28315 28318 28334 28338 362 365
SOPT	REAL	1	LIBRARY 327 358 438 439
XIN 1		62	31
XINT10		21	322
XIN 11		13	342
XINT12		13	352
XINT13		52	379
XINT14		27	402
XINT15		14	430

EXTERNALS	TYPE	ADDR	REFERENCES
XINT2		10	17
XINT3		11	12
XINT4		12	17
XINT5		13	17
XINT6		14	17
XINT7		15	17
XINT8		16	17
XINT9		17	17
XYZ		18	17

STATEMENT LABELS	DEF LINE	REFERENCES
2530	1	17
1500	2	17
2111	3	17
1111	4	17
2206	5	17
1000	6	17
1600	7	17
1677	8	17
2034	9	17
2171	10	17
1179	11	17
2206	12	17
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2206	347	

COMMON BLOCKS LENGTH MEMBERS BIAS NAME (LENGTH)

PAR4

91

87 TJJ34 (1)
 90 TJJ39 (1)
 93 TJJ41 (1)
 94 TJJ42 (1)
 95 TJJ46 (1)
 102 TJJ47 (1)
 105 TJJ4982 (1)
 106 TJJ4983 (1)
 107 TJJ4984 (1)
 1 TII011 (1)
 3 TII021 (1)
 6 TII03 (1)
 9 TII04 (1)
 12 TII09 (1)
 15 TII12 (1)
 18 TII15 (1)
 21 TII18 (1)
 24 TII26 (1)
 27 TII29 (1)
 30 TII312 (1)
 33 TII322 (1)
 36 TII33 (1)
 39 TII36 (1)
 42 TII39 (1)
 45 TII42 (1)
 48 TII45 (1)
 51 TII48 (1)
 54 TII51 (1)
 57 TII54 (1)
 60 TII57 (1)
 63 TII60 (1)
 66 TII63 (1)
 69 TII66 (1)
 72 TII69 (1)
 75 TII72 (1)
 78 TII201 (1)
 81 TII3 (1)
 84 TJJ21W1 (1)
 87 TII5 (1)
 90 TJJ48R1 (1)

88 TJJ348 (1)
 91 TJJ398 (1)
 94 TJJ428 (1)
 97 TJJ468 (1)
 100 TJJ498 (1)
 103 TJJ498 (1)
 106 TJJ4983 (1)
 1 TII012 (1)
 4 TII022 (1)
 7 TII05 (1)
 10 TII07 (1)
 13 TII10 (1)
 16 TII13 (1)
 19 TII16 (1)
 22 TII19 (1)
 25 TII27 (1)
 28 TII30 (1)
 31 TII313 (1)
 34 TII323 (1)
 37 TII34 (1)
 40 TII37 (1)
 43 TII40 (1)
 46 TII43 (1)
 49 TII46 (1)
 52 TII49 (1)
 55 TII52 (1)
 58 TII55 (1)
 61 TII58 (1)
 64 TII61 (1)
 67 TII64 (1)
 70 TII67 (1)
 73 TII70 (1)
 76 TII732 (1)
 79 TII211 (1)
 82 TJJ2081 (1)
 85 TJJ2181 (1)
 88 TJJ5 (1)

89 TJJ38 (1)
 92 TJJ40 (1)
 95 TJJ42 (1)
 98 TJJ46 (1)
 101 TJJ478 (1)
 104 TJJ48 (1)
 107 TJJ4982 (1)
 2 TII013 (1)
 5 TII023 (1)
 8 TII05 (1)
 11 TII08 (1)
 14 TII11 (1)
 17 TII14 (1)
 20 TII17 (1)
 23 TII25 (1)
 26 TII28 (1)
 29 TII311 (1)
 32 TII321 (1)
 35 TII331 (1)
 38 TII35 (1)
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 53 TII50 (1)
 56 TII53 (1)
 59 TII56 (1)
 62 TII59 (1)
 65 TII62 (1)
 68 TII65 (1)
 71 TII68 (1)
 74 TII71 (1)
 77 TII733 (1)
 80 TII481 (1)
 83 TJJ2081 (1)
 86 TJJ5 (1)
 89 TJJ4881 (1)

STATISTICS

PROGRAM LENGTH

50418

2593

CM LABELED COMMON LENGTH

4148

268

575008 CM USED

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1      SUBROUTINE SING
5      PURPOSE
      OBTAIN SOLUTION OF A SET OF SIMULTANEOUS LINEAR EQUATIONS.
      END
10     USAGE
      CALL SING(A,B,N,KS)
      DESCRIPTION OF PARAMETERS
15     A - MATRIX OF COEFFICIENTS STORED COLUMNWISE. THESE ARE
      DESTROYED IN THE COMPUTATION. THE SIZE OF MATRIX A IS
      N BY N.
      B - VECTOR OF ORIGINAL CONSTANTS (LENGTH N). THESE ARE
20     REPLACED BY FINAL SOLUTION VALUES, VECTOR X.
      N - NUMBER OF EQUATIONS AND VARIABLES. N MUST BE GT. ONE.
      KS - OUTPUT FLAG
          0 FOR A NORMAL SOLUTION
          1 FOR A SINGULAR SET OF EQUATIONS
25     REMARKS
      MATRIX N MUST BE GENERAL.
      IF MATRIX IS SINGULAR, SOLUTION VALUES ARE MEANINGLESS.
      AN ALTERNATIVE SOLUTION MAY BE OBTAINED BY USING MATRIX
      INVERSION (MINV) AND MATRIX PRODUCT (MPROD).
30     SUBROUTINES AND FUNCTION SUBPROGRAMS REQUIRED
      NONE
      METHOD
35     METHOD OF SOLUTION IS BY ELIMINATION USING LARGEST PIVOTAL
      DIVISOR. EACH STAGE OF ELIMINATION CONSISTS OF INTERCHANGING
      ROWS WHEN NECESSARY TO AVOID DIVISION BY ZERO OR SMALL
      ELEMENTS.
      THE FORWARD SOLUTION TO OBTAIN VARIABLE N IS DONE IN
      N STAGES. THE BACK SOLUTION FOR THE OTHER VARIABLES IS
40     CALCULATED BY SUCCESSIVE SUBSTITUTIONS. FINAL SOLUTION
      VALUES ARE DEVELOPED IN VECTOR B. WITH VARIABLE 1 IN B(1),
      VARIABLE 2 IN B(2), ... VARIABLE N IN B(N).
      IF NO PIVOT CAN BE FOUND EXCEEDING A TOLERANCE OF 0.0,
      THE MATRIX IS CONSIDERED SINGULAR AND KS IS SET TO 1. THIS
45     TOLERANCE CAN BE MODIFIED BY REPLACING THE FIRST STATEMENT.
      .....
50     SUBROUTINE STAG(N,B,N,KS)
      DIMENSION A(1),B(1)
      FORWARD SOLUTION
55     TOL=0.0
      KS=0
      JJ=N
      DO 65 J=1,N
          JY=J+1
          JJ=JJ+N+1
          BIGA=0
60     IF JJ-J
          DO 30 I=J,N
              SEARCH FOR MAXIMUM COEFFICIENT IN COLUMN
65     IJ=IJ+1
          IF (ABS(BIGA)-ABS(A(IJ))) 20,30,30
          20 BIGA=A(IJ)
          IMAX=I
          30 CONTINUE
          TEST FOR PIVOT LESS THAN TOLERANCE (SINGULAR MATRIX)
70     IF (ABS(BIGA)-TOL) 35,35,40
          35 KS=1
          RETURN
          INTERCHANGE ROWS IF NECESSARY

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DECKIN 1
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DECK14	122

SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS	DEF LINE	REFERENCES
3 SING	49	76 121

VARIABLES	SN	TYPE	RELOCATION	REFS	50	67	68	85	86	91	38106	
O A		REAL	ARRAY	F. P.								
U B		REAL	ARRAY	F. P.	107	118	DEFINED	49	86	87	91	38106
					REFS	50	93	93	28107	28118	91	106
161 B1GA		REAL			DEFINED	49	93	94	107	118		
163 I		INTEGER			REFS	67	74	91	94	DEFINED	60	68
201 IN		INTEGER			REFS	66	69	DEFINED	62			
202 IB		INTEGER			REFS	118	119	DEFINED	114	119		
203 IC		INTEGER			REFS	28118	DEFINED	115				
164 IJ		INTEGER			REFS	118	120	DEFINED	116	120		
165 INHX		INTEGER			REFS	67	68	DEFINED	66			
172 IOS		INTEGER			REFS	81	93	93	DEFINED	69		
162 IT		INTEGER			REFS	101	DEFINED	99				
					REFS	66	84	105	114	DEFINED	61	81
					104	112						
173 IX		INTEGER			REFS	101	102	104	28107	DEFINED	100	
174 IXJ		INTEGER			REFS	106	107	DEFINED	101			
176 IXJX		INTEGER			REFS	105	28106	DEFINED	104			
166 I1		INTEGER			REFS	83	84	85	86	2891		
					DEFINED	80	83					
170 I2		INTEGER			REFS	86	87	DEFINED	84			
157 J		INTEGER			REFS	58	61	62	2880	81	82	93
					REFS	94	99	102	107	114	115	117
					DEFINED	87	113					
156 JJ		INTEGER			REFS	59	61	DEFINED	56	59		
177 JJX		INTEGER			REFS	106	DEFINED	105				

VAR	TABLES	SN	TYPE	RELOCATION	REFS	104	DEFINED	103				
176	JX		INTEGER		REFS	100	DEFINED	103				
160	JY		INTEGER		REFS	100	DEFINED	103				
167	K		INTEGER		REFS	100	DEFINED	103				
0	KS		INTEGER		REFS	100	DEFINED	103				
0	N		INTEGER		REFS	100	DEFINED	103				
200	NY		INTEGER		REFS	100	DEFINED	103				
171	SAVE		REAL		REFS	100	DEFINED	103				
155	TOL		REAL		REFS	100	DEFINED	103				

INLINE	FUNCTIONS	TYPE	ARGS	DEF LINE	REFERENCES
ABS		REAL	1	INTRIN	2867

STATEMENT	LABELS	INACTIVE	DEF LINE	REFERENCES
0	20		68	67
31	30		70	68
0	38		75	2874
400	40		80	74
0	40		81	82
0	40		89	2898
0	40		106	103
0	40		107	57
12	40		111	98
0	40		120	113

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES	EXITS	NOT INNER
12	40	I	67 107	118	OPT		
24	30		68 70	68	OPT		
61	80	K	82 91	68	OPT		
71	65	I X	100 107	278	OPT	NOT INNER	
104	80	J X	103 108	58	OPT		
127	80	J	111 120	258	OPT	NOT INNER	
142	80	K	117 120	58	OPT		

STATISTICS

PROGRAM	LENGTH	2348	156
520008	CM USED		

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1      SUBROUTINE HPCG
5      PURPOSE
      TO SOLVE A SYSTEM OF FIRST ORDER ORDINARY GENERAL
      DIFFERENTIAL EQUATIONS WITH GIVEN INITIAL VALUES.
10     USAGE
      CALL HPCG (PNT, Y, DERY, NDM, INLF, FCT, OUTP, AUX)
      PARAMETERS FCT AND OUTP REQUIRE AN EXTERNAL STATEMENT.

15     DESCRIPTION OF PARAMETERS
      PNT - AN INPUT AND OUTPUT VECTOR WITH DIMENSION GREATER
            OR EQUAL TO 5, WHICH SPECIFIES THE PARAMETERS OF
            THE INTERVAL AND OF ACCURACY AND WHICH SERVES FOR
            COMMUNICATION BETWEEN OUTPUT SUBROUTINE (FURNISHED
20     BY THE USER) AND SUBROUTINE HPCG. EXCEPT PNT(5)
            THE COMPONENTS ARE NOT DESTROYED BY SUBROUTINE
            HPCG AND THEY ARE
            PNT(1) - LOWER BOUND OF THE INTERVAL (INPUT),
            PNT(2) - UPPER BOUND OF THE INTERVAL (INPUT),
25     PNT(3) - INITIAL INCREMENT OF THE INDEPENDENT VARIABLE
            (INPUT),
            PNT(4) - UPPER ERROR BOUND (INPUT). IF ABSOLUTE ERROR IS
            GREATER THAN PNT(4), INCREMENT GETS HALVED.
            IF INCREMENT IS LESS THAN PNT(4) AND ABSOLUTE
            ERROR LESS THAN PNT(4)/50, INCREMENT GETS DOUBLED.
            THE USER MAY CHANGE PNT(4) BY MEANS OF HIS
            OUTPUT SUBROUTINE.
30     PNT(5) - NO INPUT PARAMETER. SUBROUTINE HPCG INITIALIZES
            PNT(5)=0. IF THE USER WANTS TO TERMINATE
            SUBROUTINE HPCG AT ANY OUTPUT POINT, HE HAS TO
            CHANGE PNT(5) TO NON-ZERO BY MEANS OF SUBROUTINE
            OUTP. FURTHER COMPONENTS OF VECTOR PNT ARE
            FEASIBLE IF ITS DIMENSION IS DEFINED GREATER
            THAN 5. HOWEVER SUBROUTINE HPCG DOES NOT REQUIRE
            AND CHANGE THEM. NEVERTHELESS THEY MAY BE USEFUL
            FOR HANDLING RESULT VALUES TO THE MAIN PROGRAM
            (CALLING HPCG) WHICH ARE OBTAINED BY SPECIAL
            MANIPULATIONS WITH OUTPUT DATA IN SUBROUTINE OUTP.
40     Y - INPUT VECTOR OF INITIAL VALUES. (DESTROYED)
            INTERVAL Y IS THE RESULTING VECTOR OF DEPENDENT
            VARIABLES COMPUTED AT INTERMEDIATE POINTS X.
            DERY - INPUT VECTOR OF ERROR HEIGHTS. (DESTROYED)
            THE SUM OF ITS COMPONENTS MUST BE EQUAL TO 1.
            INTERVAL DERY IS THE VECTOR OF DERIVATIVES, WHICH
            BELONGS TO FUNCTION VALUES Y AT A POINT X.
50     NDM - AN INPUT VALUE, WHICH SPECIFIES THE NUMBER OF
            EQUATIONS IN THE SYSTEM.
            INLF - AN OUTPUT VALUE, WHICH SPECIFIES THE NUMBER OF
            BISECTIONS OF THE INITIAL INCREMENT. IF INLF GETS
            GREATER THAN 10, SUBROUTINE HPCG RETURNS WITH
            ERROR MESSAGE INLF=11 INTO MAIN PROGRAM.
55     ERROR MESSAGE INLF=12 OR INLF=13 APPEARS IN CASE
            PNT(3)=0 OR IN CASE SIGN(PNT(3)) NE SIGN(PNT(2)-
            PNT(1)) RESPECTIVELY.
            FCT - THE NAME OF AN EXTERNAL SUBROUTINE USED. IT
            COMPUTES THE RIGHT HAND SIDES DERY OF THE SYSTEM
            TO GIVEN VALUES OF X AND Y. ITS PARAMETER LIST
            MUST BE X, Y, DERY. THE SUBROUTINE SHOULD NOT
            DESTROY X AND Y.
60     OUTP - THE NAME OF AN EXTERNAL OUTPUT SUBROUTINE USED.
            ITS PARAMETER LIST MUST BE X, Y, DERY, INLF, NDM, PNT.
            NONE OF THESE PARAMETERS (EXCEPT, IF NECESSARY,
            PNT(4), PNT(5), ...) SHOULD BE CHANGED BY
            SUBROUTINE OUTP. IF PNT(5) IS CHANGED TO NON-ZERO,
70     SUBROUTINE HPCG IS TERMINATED.
            AUX - AN AUXILIARY STORAGE ARRAY WITH 16 ROWS AND NDM
            COLUMNS.

75     REMARKS
            THE PROCEDURE TERMINATES AND RETURNS TO CALLING PROGRAM, IF
            (1) MORE THAN 10 BISECTIONS OF THE INITIAL INCREMENT ARE
            NECESSARY TO GET SATISFACTORY ACCURACY (ERROR MESSAGE
            INLF=11),
            (2) INITIAL INCREMENT IS EQUAL TO 0 OR HAS WRONG SIGN

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DECK14 123
DECK14 124
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DECK14 200
DECK14 201

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80      (ERROR MESSAGES INLF=12 OR INLF=13),
      (3) THE WHOLE INTEGRATION INTERVAL IS WORKED THROUGH,
      (4) SUBROUTINE OUTP HAS CHANGED PRINT(5) TO NON-ZERO.
      SUBROUTINES AND FUNCTION SUBPROGRAMS REQUIRED
      THE EXTERNAL SUBROUTINES FCT(X,Y,DERY) AND
      OUTP(X,Y,DERY,INLF,NDIM,PRINT) MUST BE FURNISHED BY THE USER.
      METHOD
      EVALUATION IS DONE BY MEANS OF HANNINGS MODIFIED PREDICTOR-
      CORRECTOR METHOD. IT IS A FOURTH ORDER METHOD, USING 4
      PRECEDING POINTS FOR COMPUTATION OF A NEW VECTOR Y OF THE
      DEPENDENT VARIABLES.
      FOURTH ORDER RUNGE-KUTTA METHOD SUGGESTED BY RALSTON IS
      USED FOR ADJUSTMENT OF THE INITIAL INCREMENT AND FOR
      COMPUTATION OF STARTING VALUES.
      SUBROUTINE NPCH AUTOMATICALLY ADJUSTS THE INCREMENT DURING
      THE WHOLE COMPUTATION BY HALVING OR DOUBLING
      TO GET FULL FLEXIBILITY IN OUTPUT. AN OUTPUT SUBROUTINE
      MUST BE CALLED BY THE USER.
      FOR REFERENCE, SEE
      (1) RALSTON/MILF, MATHEMATICAL METHODS FOR DIGITAL
      COMPUTERS, WILEY, NEW YORK/LONDON, 1960, PP. 95-109.
      (2) RALSTON, RUNGE-KUTTA METHODS WITH MINIMUM ERROR BOUNDS,
      NYAC, VOL. 16, 1958, 80 (1962), PP. 431-437.
      SUBROUTINE NPCH(PRNT,Y,DERY,NDIM,INLF,FCT,OUTP,NUX)
110      DIMENSION PRNT(1),Y(1),DERY(1),AUX(16,1)
      N=1
      INLF=0
      X=PRNT(1)
115      N=PRNT(3)
      PRNT(5)=0
      DO 1 I=1,NDIM
      AUX(16,I)=0
      AUX(15,I)=DERY(I)
120      1 AUX(1,I)=Y(I)
      IF (N8(PRNT(2)-X))3,2,4
      C
      C ERROR RETURNS
      2 INLF=12
      GOTO 4
      3 INLF=13
      C
      C COMPUTATION OF DERY FOR STARTING VALUES
      4 CALL FCT(X,Y,DERY)
130      C
      C RECORDING OF STARTING VALUES
      CALL OUTP(X,Y,DERY,INLF,NDIM,PRINT)
      IF (PRNT(5))6,5,6
      5 IF (INLF)7,7,6
135      6 RETURN
      7 DO 8 I=1,NDIM
      8 AUX(8,I)=DERY(I)
      C
      C COMPUTATION OF AUX(2,1)
      ISM=1
140      GOTO 100
      C
      9 X=X+H
      DO 10 I=1,NDIM
145      10 AUX(2,I)=Y(I)
      C
      C INCREMENT H IS TESTED BY MEANS OF BISECTION
      11 INLF=INLF+1
      X=X-H
      DO 12 I=1,NDIM
150      12 AUX(4,I)=AUX(2,I)
      N=ISM
      ISM=2
155      GOTO 100
      C
      13 X=X+H
      CALL FCT(X,Y,DERY)

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160      N=2
        DO 14 I=1,NDIM
          AUX(2,I)=Y(I)
161      AUX(8,I)=DERY(I)
          ISM=3
          GOTO 100
165      C
        C COMPUTATION OF TEST VALUE DELT
        DELT=0
        DO 16 I=1,NDIM
          DELT=DELT+AUX(15,I)*ABS(Y(I)-AUX(4,I))
170      DELT=.06666667*DELT
          IF(DELT-PRNT(4))19,19,17
          IF(1/HLF-10)11,18,18
        C
        C NO SATISFACTORY ACCURACY AFTER 10 BISECTIONS. ERROR MESSAGE.
175      18 IMLF=11
          X=X+H
          GOTO 4
        C
        C THERE IS SATISFACTORY ACCURACY AFTER LESS THAN 11 BISECTIONS.
180      19 X=X+H
          CALL FCT(X,Y,DERY)
          DO 20 I=1,NDIM
            AUX(5,I)=Y(I)
            AUX(10,I)=DERY(I)
185      N=3
            ISM=4
            GOTO 100
        C
        21 N=1
          X=X+H
          CALL FCT(X,Y,DERY)
          X=PRNT(1)
          DO 22 I=1,NDIM
            AUX(11,I)=DERY(I)
190      22 Y(I)=AUX(1,I)+.375*AUX(8,I)+.7916667*AUX(9,I)
            1-.2083333*AUX(10,I)+.04166667*DERY(I))
          23 X=X+H
            N=N+1
            CALL FCT(X,Y,DERY)
            CALL OUTP(X,Y,DERY,IMLF,NDIM,PRNT)
            IF(PRNT(5))6,24,6
            IF(N-4)25,200,200
200      24 DO 26 I=1,NDIM
              AUX(N,I)=Y(I)
              AUX(N+7,I)=DERY(I)
              IF(N-3)27,22,200
205      26
            C
            27 DO 28 I=1,NDIM
              DELT=AUX(9,I)+AUX(9,I)
              DELT=DELT+DELT
210      28 Y(I)=AUX(1,I)+.3333333*ABS(AUX(8,I)+DELT+AUX(10,I))
              GOTO 23
            C
            29 DO 30 I=1,NDIM
              DELT=AUX(9,I)+AUX(10,I)
              DELT=DELT+DELT
215      30 Y(I)=AUX(1,I)+.375*ABS(AUX(8,I)+DELT+AUX(11,I))
              GOTO 23
        C
        C THE FOLLOWING PART OF SUBROUTINE MPCG COMPUTES BY MEANS OF
        C RUNGE-KUTTA METHOD STARTING VALUES FOR THE NOT SELF-STARTING
        C PREDICTOR-CORRECTOR METHOD.
220      100 DO 101 I=1,NDIM
          Z=H*AUX(N+7,I)
          AUX(5,I)=Z
225      101 Y(I)=AUX(N,I)+.48Z
        C
        C Z IS AN AUXILIARY STORAGE LOCATION
        Z=X+.48H
        CALL FCT(Z,Y,DERY)
        DO 102 I=1,NDIM
          Z=H*DERY(I)
          AUX(6,I)=Z
230      102 Y(I)=AUX(N,I)+.29697768*AUX(5,I)+.15875968Z
235      Z=X+.45573728H
          CALL FCT(Z,Y,DERY)

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240      DO 103 I=1,NDIM
          Z=WDERY(I)
          AUX(7,1)=Z
          103 Y(I)=AUX(1,1)+.21810048AUX(5,1)-.70509668AUX(6,1)+.78328662
          C
          Z=X+M
          CALL FCT(2,Y,DERY)
245      DO 104 I=1,NDIM
          1040 Y(I)=AUX(1,1)+.17476038AUX(5,1)-.55148078AUX(6,1)
          I=1.2056368AUX(7,1)+.17118488WDERY(I)
          GOTO(9,13,16,21),ISM
250      C
          POSSIBLE BREAK-POINT FOR LINKAGE
          STARTING VALUES ARE COMPUTED.
          NOW START HANNING'S MODIFIED PREDICTOR-CORRECTOR METHOD.
255      200 ISTEP=1
          201 IF(N-B)204,202,204
          C
          N-B CAUSES THE ROWS OF AUX TO CHANGE THEIR STORAGE LOCATIONS
          202 DO 203 I=1,NDIM
          203 AUX(N-1,1)=AUX(N,1)
          201 AUX(N+6,1)=AUX(N+7,1)
          N=7
          C
          N LESS THAN B CAUSES N+1 TO GET N
265      204 N=N+1
          C
          COMPUTATION OF NEXT VECTOR Y
          DO 205 I=1,NDIM
          205 AUX(N-1,1)=Y(I)
          AUX(N+6,1)=DERY(I)
          X=X+M
          206 ISTEP=ISTEP+1
          DO 207 I=1,NDIM
          207 DELT=AUX(N-4,1)+.33333339AUX(N+5,1)+AUX(N+6,1)-AUX(N+5,1)+
          1AUX(N+4,1)+AUX(N+4,1)
          Y(I)=DELT-.92561988AUX(16,1)
          207 AUX(16,1)=DELT
          C
          PREDICTOR IS NOW GENERATED IN ROW 16 OF AUX. MODIFIED PREDICTOR
          IS GENERATED IN Y. DELT MEANS AN AUXILIARY STORAGE.
280      C
          CALL FCT(N,Y,DERY)
          C
          DERIVATIVE OF MODIFIED PREDICTOR IS GENERATED IN DERY
          DO 208 I=1,NDIM
          208 DELT=.12691988AUX(N-1,1)-AUX(N-3,1)+.3888(DERY(I)+AUX(N+6,1)+
          1AUX(N+6,1)-AUX(N+6,1))
          AUX(16,1)=AUX(16,1)-DELT
          208 Y(I)=DELT+.074380178AUX(16,1)
          C
          TEST WHETHER N MUST BE HALVED OR DOUBLED
          DELT=0
          DO 209 I=1,NDIM
          209 DELT=DELT+AUX(16,1)8885(AUX(16,1))
          IF(DELTY-PRNT(4))210,222,222
          C
          N MUST NOT BE HALVED. THAT MEANS Y(I) ARE GOOD.
          210 CALL FCT(N,Y,DERY)
          CALL OUTP(X,Y,DERY,INLF,NDIM,PRNT)
          IF(PRNT(6))212,211,212
          211 IF(INLF-11)213,212,212
          212 RETURN
          213 IF(NB(X-PRNT(2)))214,212,212
          214 IF(ABS(X-PRNT(2))-.18885(N))212,215,215
          215 IF(DELTY-.028PRNT(4))216,216,201
          C
          N COULD BE DOUBLED IF ALL NECESSARY PRECEDING VALUES ARE
          AVAILABLE
          216 IF(INLF)201,201,217
          217 IF(N-7)201,218,218
          218 IF(ISTEP-4)201,219,219
          219 IMOD=ISTEP/2
          IF(ISTEP-IMOD-IMOD)201,220,201
          220 N=N+M
          INLF=INLF-1
          ISTEP=0
315

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320      DO 221 I=1,NDIM
          AUX(N-1,I)=AUX(N-2,I)
          AUX(N-2,I)=AUX(N-4,I)
          AUX(N-3,I)=AUX(N-6,I)
          AUX(N-6,I)=AUX(N-5,I)
          AUX(N-5,I)=AUX(N-3,I)
          AUX(N-4,I)=AUX(N-1,I)
          DELT=AUX(N-6,I)+AUX(N-5,I)
          DELT=DELT+DELT
325      2210AUX(16,I)=8.9629638(Y(I)-AUX(N-3,I))-3.3611118H8(DERY(I)+DELT
          1+AUX(N-4,I))
          GOTO 201

330      C
          C
          C      M MUST BE HALVED
          222      IMLF=IMLF+1
          IF(IMLF-10)223,223,210
          223      M=.58M
          ISTEP=0
          DO 224 I=1,NDIM
              DY(I)=0.03906258(8.8AUX(N-1,I)+135.8AUX(N-2,I)+40.8AUX(N-3,I)+
              1AUX(N-4,I))-11718758(AUX(N-6,I)-6.8AUX(N-5,I)-AUX(N-4,I))8M
              8AUX(N-4,I)=0.03906258(12.8AUX(N-1,I)+135.8AUX(N-2,I)+
              1108.8AUX(N-3,I)+AUX(N-4,I))-0.2343758(AUX(N-6,I)+18.8AUX(N-5,I))-
              28.8AUX(N-6,I))8M
          224      AUX(N-3,I)=AUX(N-2,I)
              AUX(N-4,I)=AUX(N-5,I)
              M=M-M
              DELT=X-(M+M)
              CALL FCT(DELT,Y,DERY)
              DO 225 I=1,NDIM
                  AUX(N-2,I)=Y(I)
                  AUX(N-5,I)=DERY(I)
          350      225      Y(I)=AUX(N-4,I)
                  DELT=DELT-(M+M)
                  CALL FCT(DELT,Y,DERY)
              DO 226 I=1,NDIM
                  DELT=AUX(N-5,I)+AUX(N-4,I)
                  DELT=DELT+DELT+DELT
          355      226      2260AUX(16,I)=8.9629638(AUX(N-1,I)-Y(I))-3.3611118H8(AUX(N-6,I)+DELT
                  1+DERY(I))
                  AUX(N-3,I)=DERY(I)
                  GOTO 206
          360      END

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CARD NO. SEVERITY DETAILS DIAGNOSIS OF PROBLEM

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115 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
116 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
121 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
133 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
171 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
201 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
294 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
299 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
302 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
303 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.
304 | PRMT ARRAY REFERENCE OUTSIDE DIMENSION BOUNDS.

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SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS 3 HPCG DEF LINE 108 REFERENCES 135 301

VARIABLES 0 AUX SM TYPE REAL ARRAY F.F. RELOCATION

REFS	111	151	28169	48195	28209	38211	28215
38217	224	226	28234	38241	48246	260	261
68274	276	58285	287	288	28293	318	319
320	321	322	323	28324	28326	78337	78339
342	343	350	28354	28356	DEFINED	108	118
119	120	137	145	151	161	162	183
184	194	204	205	225	233	240	260

VARIABLES SN TYPE RELOCATION

					2591	2592	270	277	287	318	319	320
					2593	2594	271	278	288	319	320	321
1227	DEL	REAL			2595	2596	272	279	289	320	321	322
					2597	2598	273	280	290	321	322	323
					2599	2600	274	281	291	322	323	324
					2601	2602	275	282	292	323	324	325
					2603	2604	276	283	293	324	325	326
					2605	2606	277	284	294	325	326	327
					2607	2608	278	285	295	326	327	328
					2609	2610	279	286	296	327	328	329
					2611	2612	280	287	297	328	329	330
					2613	2614	281	288	298	329	330	331
					2615	2616	282	289	299	330	331	332
					2617	2618	283	290	300	331	332	333
					2619	2620	284	291	301	332	333	334
					2621	2622	285	292	302	333	334	335
					2623	2624	286	293	303	334	335	336
					2625	2626	287	294	304	335	336	337
					2627	2628	288	295	305	336	337	338
					2629	2630	289	296	306	337	338	339
					2631	2632	290	297	307	338	339	340
					2633	2634	291	298	308	339	340	341
					2635	2636	292	299	309	340	341	342
					2637	2638	293	300	310	341	342	343
					2639	2640	294	301	311	342	343	344
					2641	2642	295	302	312	343	344	345
					2643	2644	296	303	313	344	345	346
					2645	2646	297	304	314	345	346	347
					2647	2648	298	305	315	346	347	348
					2649	2650	299	306	316	347	348	349
					2651	2652	300	307	317	348	349	350
					2653	2654	301	308	318	349	350	351
					2655	2656	302	309	319	350	351	352
					2657	2658	303	310	320	351	352	353
					2659	2660	304	311	321	352	353	354
					2661	2662	305	312	322	353	354	355
					2663	2664	306	313	323	354	355	356
					2665	2666	307	314	324	355	356	357
					2667	2668	308	315	325	356	357	358
					2669	2670	309	316	326	357	358	359
					2671	2672	310	317	327	358	359	360
					2673	2674	311	318	328	359	360	361
					2675	2676	312	319	329	360	361	362
					2677	2678	313	320	330	361	362	363
					2679	2680	314	321	331	362	363	364
					2681	2682	315	322	332	363	364	365
					2683	2684	316	323	333	364	365	366
					2685	2686	317	324	334	365	366	367
					2687	2688	318	325	335	366	367	368
					2689	2690	319	326	336	367	368	369
					2691	2692	320	327	337	368	369	370
					2693	2694	321	328	338	369	370	371
					2695	2696	322	329	339	370	371	372
					2697	2698	323	330	340	371	372	373
					2699	2700	324	331	341	372	373	374
					2701	2702	325	332	342	373	374	375
					2703	2704	326	333	343	374	375	376
					2705	2706	327	334	344	375	376	377
					2707	2708	328	335	345	376	377	378
					2709	2710	329	336	346	377	378	379
					2711	2712	330	337	347	378	379	380
					2713	2714	331	338	348	379	380	381
					2715	2716	332	339	349	380	381	382
					2717	2718	333	340	350	381	382	383
					2719	2720	334	341	351	382	383	384
					2721	2722	335	342	352	383	384	385
					2723	2724	336	343	353	384	385	386
					2725	2726	337	344	354	385	386	387
					2727	2728	338	345	355	386	387	388
					2729	2730	339	346	356	387	388	389
					2731	2732	340	347	357	388	389	390
					2733	2734	341	348	358	389	390	391
					2735	2736	342	349	359	390	391	392
					2737	2738	343	350	360	391	392	393
					2739	2740	344	351	361	392	393	394
					2741	2742	345	352	362	393	394	395
					2743	2744	346	353	363	394	395	396
					2745	2746	347	354	364	395	396	397
					2747	2748	348	355	365	396	397	398
					2749	2750	349	356	366	397	398	399
					2751	2752	350	357	367	398	399	400
					2753	2754	351	358	368	399	400	401
					2755	2756	352	359	369	400	401	402
					2757	2758	353	360	370	401	402	403
					2759	2760	354	361	371	402	403	404
					2761	2762	355	362	372	403	404	405
					2763	2764	356	363	373	404	405	406
					2765	2766	357	364	374	405	406	407
					2767	2768	358	365	375	406	407	408
					2769	2770	359	366	376	407	408	409
					2771	2772	360	367	377	408	409	410
					2773	2774	361	368	378	409	410	411
					2775	2776	362	369	379	410	411	412
					2777	2778	363	370	380	411	412	413
					2779	2780	364	371	381	412	413	414
					2781	2782	365	372	382	413	414	415
					2783	2784	366	373	383	414	415	416
					2785	2786	367	374	384	415	416	417
					2787	2788	368	375	385	416	417	418
					2789	2790	369	376	386	417	418	419
					2791	2792	370	377	387	418	419	420
					2793	2794	371	378	388	419	420	421
					2795	2796	372	379	389	420	421	422
					2797	2798	373	380	390	421	422	423
					2799	2800	374	381	391	422	423	424
					2801	2802	375	382	392	423	424	425
					2803	2804	376	383	393	424	425	426
					2805	2806	377	384	394	425	426	427
					2807	2808	378	385	395	426	427	428
					2809	2810	379	386	396	427	428	429
					2811	2812	380	387	397	428	429	430
					2813	2814	381	388	398	429	430	431
					2815	2816	382	389	399	430	431	432
					2817	2818	383	390	400	431	432	433
					2819	2820	384	391	401	432	433	434
					2821	2822	385	392	402	433	434	435
					2823	2824	386	393	403	434	435	436
					2825	2826	387	394	404	435	436	437
					2827	2828	388	395	405	436	437	438
					2829	2830	389	396	406	437	438	439
					2831	2832	390	397	407	438	439	440
					2833	2834	391	398	408	439	440	441
					2835	2836	392	399	409	440	441	442
					2837	2838	393	400	410	441	442	443
					2839	2840	394	401	411	442	443	444
					2841	2842	395	402	412	443	444	445
					2843	2844	396	403	413	444	445	446
					2845	2846	397	404	414	445	446	447
					2847	2848	398	405	415	446	447	448
					2849	2850	399	406	416	447	448	449
					2851	2852	400	407	417	448	449	450
					2853	2854	401	408	418			

STATEMENT LABELS	DEF. LINE	REFERENCES				
60 6	135	28133	134	28201		
61 7	136	28134				
62 8	137	136				
70 9	142	248				
80 10	145	144				
110 11	148	172				
120 12	151	150				
130 13	167	248				
140 14	162	160				
154 15	167	248				
160 16	163	168				
170 17	172	171				
180 18	175	28172				
203 19	180	28171				
210 20	184	182				
227 21	189	248				
230 22	195	193				
262 23	197	212	218			
270 24	202	201				
280 25	203	202				
290 26	205	203				
300 27	208	206				
310 28	211	208				
320 29	214	206				
330 30	217	214				
360 100	223	141	155	164	187	
370 101	226	223				
380 102	234	231				
390 103	241	238				
400 104	246	245				
525 200	254	28202	206			
526 201	258	104	28309	310	311	28313 328
530 202	258	255				
540 203	261	258	259			
546 204	265	28255				
550 205	270	268				
560 206	272	269				
570 207	277	273				
580 208	288	284				
590 209	293	292				
600 210	297	296	333			
705 211	300	299				
706 212	301	28299	28300	28302	303	
708 213	302	300				
710 214	303	302				
720 215	304	28303				
730 216	309	28304				
740 217	310	309				
750 218	311	28310				
760 219	312	28311				
770 220	314	313				
780 221	316	317				
790 222	332	28294				
800 223	334	28333				
810 224	343	336				
820 225	350	347				
830 226	358	352				

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES
22	1		117 120	48	OPT
67	8		136 137	38	OPT
104	10		144 145	38	OPT
120	12		150 151	38	OPT
136	14		160 162	48	OPT
154	16		168 169	58	OPT
220	20		182 184	48	OPT
247	22		193 195	128	OPT
316	26		203 205	48	OPT
330	28		208 211	78	OPT
355	30		214 217	108	OPT
376	101		223 226	68	OPT
428	102		231 234	78	OPT
483	103		238 241	108	OPT
504	104		245 246	108	OPT
531	203		258 261	148	NOT INNER
557	204		265 268	48	OPT
587	206		270 270	48	OPT
601	207		273 277	118	OPT
632	208		284 288	148	OPT

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES
655	2209		292 293	48	OPT
745	2221		117 126	178	OPT
1004	2224		113 141	348	OPT
1061	2225		157 160	88	OPT
1110	2226		157 168	128	OPT

STATISTICS

PROGRAM LENGTH 12558 685

520008 CM USED

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1      SUBROUTINE XINT1(I11,P1,P2,P3,SP2,T1191,T1192,T1193,T1221,T1222,DECK15      1
      1T1223,T1231,T1232,T1233,T1241,T1242,T1243,T1251,T1252,T1253,T1261,DECK15      2
      2T1262,T1263,T1201,T1202,T1203,T1204,T1205,T1206,T1207,T1208,T1209,DECK15      3
      3T1210,T1211,T1212,T1213,T1214,T1215,T1216,T1217,T1218,T1219,T1220,DECK15      4
5      4TJ2201,TJ2202,TJ2203,TJ2204,TJ2205,TJ2206,TJ2207,TJ2208,TJ2209,TJ2210,DECK15      5
      5TJ2211,TJ2212,TJ2213,TJ2214,TJ2215,TJ2216,TJ2217,TJ2218,TJ2219,TJ2220,DECK15      6
      6TJ2221,TJ2222,TJ2223,TJ2224,TJ2225,TJ2226,TJ2227,TJ2228,TJ2229,TJ2230,DECK15      7
      7TJ2231,TJ2232,TJ2233,TJ2234,TJ2235,TJ2236,TJ2237,TJ2238,TJ2239,TJ2240,DECK15      8
      8COMMON/SP2/PA(10),X11(100),X12(100),X13(100),X14(100),X15(100),DECK15      9
      9X16(100),X17(100),X18(100),X19(100),X110(100),X111(100),X112(100),DECK15      10
10     DIMENSION      10
      102T123(3),T124(3),T125(3),T126(3),TJ223(3),TJ224(3),TJ225(3),TJ226(3),DECK15      11
      11T127(3),T128(3),T129(3),T130(3),T131(3),T132(3),T133(3),T134(3),DECK15      12
      124TJ223(3),TJ224(3),TJ225(3),TJ226(3),TJ227(3),TJ228(3),TJ229(3),TJ230(3),DECK15      13
      13DATA (X16(JKL),JKL=1,108)/DECK15      14
15     X      142.40649,      2.40649,      2.40649,      2.40647,      2.40647,      2.17533,DECK15      15
      15X      2.26738,      2.26738,      2.26738,      2.26738,      2.26738,      2.05135,DECK15      16
      16X      2.26738,      2.26738,      2.26738,      2.26738,      2.26738,      2.12290,DECK15      17
      17X      2.26738,      2.26738,      2.26738,      2.26738,      2.26738,      2.12290,DECK15      18
      18X      2.26738,      2.26738,      2.26738,      2.26738,      2.26738,      2.12290,DECK15      19
      19X      2.26738,      2.26738,      2.26738,      2.26738,      2.26738,      2.12290,DECK15      20
      20X      2.26738,      2.26738,      2.26738,      2.26738,      2.26738,      2.12290,DECK15      21
      21X      1.25444,      2.19893,      3.04704,      0.1926,      3.2845,      1.07029,DECK15      22
      22X      2.12739,      3.11781,      0.0000,      0.18198,      0.9256,      2.04952,DECK15      23
      23X      1.18700,      0.0000,      0.0000,      0.18198,      0.9256,      2.04952,DECK15      24
      24X      0.0000,      0.0000,      0.0000,      0.18198,      0.9256,      2.04952,DECK15      25
      25X      1.9473,      0.96310,      2.18365,      1.38606,      0.0000,      1.9880,DECK15      26
      26X      97244,      2.22656,      2.44988,      0.0000,      0.0000,      2.0279,DECK15      27
      27X      2.26738,      2.26738,      2.26738,      2.26738,      2.26738,      2.12290,DECK15      28
      28X      3.67401,      0.0000,      2.1054,      1.02628,      2.36508,      3.67401,DECK15      29
      29X      0.0000,      2.1431,      1.04623,      3.9049,      3.69399,      0.0000,DECK15      30
      30X      2.1802,      1.06388,      2.42974,      3.76253,      0.0000,      2.2164,DECK15      31
      31X      1.08129,      2.46837,      1.81018,      0.0000,      2.2524,      1.02933,DECK15      32
      32DATA (X16(JKL),JKL=109,180)/DECK15      33
35     X      2.50649,      3.86496,      0.0000,      2.2877,      1.11515,      2.54386,DECK15      34
      35X      3.92292,      2.3224,      0.0000,      1.13172,      2.54078,      3.97809,DECK15      35
      35X      0.0000,      2.3224,      0.0000,      1.13172,      2.54078,      3.97809,DECK15      36
      36X      2.3224,      1.16416,      2.3224,      1.16416,      2.3224,      1.16416,DECK15      37
      37X      1.18008,      2.48849,      0.0000,      1.1919,      2.48849,      1.1919,DECK15      38
      38X      2.72344,      4.19151,      0.0000,      2.8889,      1.21119,      2.75796,DECK15      39
      39X      2.72344,      4.19151,      0.0000,      2.8889,      1.21119,      2.75796,DECK15      40
      40X      0.0000,      2.8889,      1.21119,      2.8889,      1.21119,      2.8889,DECK15      41
      41X      3.8947,      1.74093,      3.94343,      6.02557,      0.0000,      4.3964,DECK15      42
      42X      2.12606,      4.80791,      3.3054,      0.0000,      5.0729,      2.45142,DECK15      43
      43X      5.51307,      8.33597,      0.0000,      5.6623,      2.71818,      5.18318,DECK15      44
      44X      9.41245,      0.0000,      1.26598,      5.10611,      13.76768,      20.90838,DECK15      45
      45DATA (X110(JKL),JKL=1,108)/DECK15      46
46     X      1.46095,      1.46095,      1.46095,      1.46095,      1.46095,      1.38668,DECK15      47
      47X      1.46095,      1.46095,      1.46095,      1.46095,      1.46095,      1.38668,DECK15      48
      48X      1.46095,      1.46095,      1.46095,      1.46095,      1.46095,      1.38668,DECK15      49
      49X      1.52226,      1.61104,      0.81996,      1.08901,      1.32632,      1.52659,DECK15      50
      50X      1.65907,      0.61712,      0.93022,      1.24637,      1.52383,      1.70498,DECK15      51
      51X      0.0000,      0.61712,      0.93022,      1.24637,      1.52383,      1.70498,DECK15      52
      52X      0.9132,      1.05130,      1.49021,      1.75325,      0.9260,      0.8293,DECK15      53
      53X      0.94016,      1.47523,      1.83679,      0.1844,      2.0320,      0.82361,DECK15      54
      54X      1.44771,      1.87736,      0.0000,      1.6261,      7.0490,      1.41403,DECK15      55
      55X      1.91802,      0.0000,      1.6459,      7.2112,      4.5520,      1.95784,DECK15      56
      56X      0.0000,      1.7823,      7.3839,      1.47670,      1.9568,      0.0000,DECK15      57
      57X      1.7400,      7.5252,      1.50559,      2.03513,      0.0000,      1.7763,DECK15      58
      58X      7.6773,      1.53489,      2.07269,      0.0000,      1.8120,      7.6265,DECK15      59
      59X      1.56268,      2.10262,      0.0000,      1.8469,      7.9729,      1.59188,DECK15      60
      60X      2.14504,      0.0000,      1.8812,      8.1167,      1.61962,      2.18149,DECK15      61
      61X      0.0000,      1.9148,      8.2580,      1.44689,      2.21657,      0.0000,DECK15      62
      62X      1.9479,      8.3968,      1.67372,      2.25110,      0.0000,      1.9804,DECK15      63
      63X      8.5335,      1.70012,      2.28511,      0.0000,      2.0124,      8.6679,DECK15      64
      64DATA (X110(JKL),JKL=109,180)/DECK15      65
65     X      1.72612,      2.31862,      0.0000,      2.0439,      0.80003,      1.75173,DECK15      66
      66X      2.35165,      0.0000,      2.0749,      0.89308,      1.77698,      2.38422,DECK15      67
      67X      0.0000,      2.1058,      2.0534,      1.80186,      2.41635,      0.0000,DECK15      68
      68X      2.1356,      1.81861,      1.82441,      2.44806,      0.0000,      2.1684,DECK15      69
      69X      0.93112,      1.85064,      2.47936,      0.0000,      2.1947,      0.94345,DECK15      70
      70X      1.87458,      2.51027,      0.0000,      2.2236,      2.5563,      1.89815,DECK15      71
      71X      2.54081,      0.0000,      2.2521,      2.2676,      1.92157,      2.57098,DECK15      72
      72X      0.0000,      2.2803,      2.2803,      2.2803,      2.2803,      0.0000,DECK15      73
      73X      3.2111,      1.37280,      2.70984,      3.59621,      2.50000,      3.9271,DECK15      74
      74X      1.67420,      3.30233,      4.37044,      0.0000,      4.5113,      1.93254,DECK15      75
      75X      1.80389,      5.02672,      0.0000,      5.0640,      2.1884,      4.24608,DECK15      76
      76X      5.06887,      0.0000,      1.3077,      4.81255,      9.44808,      12.44151,DECK15      77
      77DATA (X18(JKL),JKL=1,108)/DECK15      78
      78X      3.07527,      3.07526,      3.07525,      3.07524,      3.07523,      2.50253,DECK15      79

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80

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X 2 62047. 2 87412. 3 04790. 3 19148. 1 83344. 2 20621. DECK15 80
X 2 85917. 2 97746. 3 10169. 3 22038. 1 71824. 2 28283. DECK15 81
X 2 88221. 2 11198. 3 72700. 3 26123. 1 95987. 2 76818. DECK15 82
X 2 16007. 2 53446. 3 13919. 3 49740. 3 71810. 2 05048. DECK15 83
X 2 32650. 2 04195. 3 14717. 3 01464. 3 00928. 2 16922. DECK15 84
X 2 81600. 2 19075. 3 90879. 3 00046. 3 07428. 2 60505. DECK15 85
X 2 03033. 2 00022. 3 00000. 3 42000. 3 43000. 2 84500. DECK15 86
X 2 09034. 2 00003. 3 02401. 3 44096. 3 91176. 2 17847. DECK15 87
X 2 00000. 2 02441. 3 45079. 3 95111. 3 26456. 2 00000. DECK15 88
X 2 02719. 2 44083. 3 99359. 3 14894. 3 00000. 2 02776. DECK15 89
X 2 56382. 2 01134. 3 00000. 3 00000. 3 48820. 2 11035. DECK15 90
X 2 07219. 2 00000. 3 00000. 3 02941. 3 49711. 2 67119. DECK15 91
X 2 59276. 2 00000. 3 00000. 3 00000. 3 18478. 2 00000. DECK15 92
X 2 00000. 2 02994. 3 60587. 3 18478. 3 00000. 2 00000. DECK15 93
X 2 03038. 2 01537. 3 22102. 3 82322. 3 00000. 2 03092. DECK15 94
X 2 52234. 2 25671. 3 89894. 3 00000. 3 03148. 2 53127. DECK15 95
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DATA (X18 (JXL), JKL=109, 180)/
X 2 29183. 2 97254. 3 00000. 3 03197. 2 53947. 2 32642. DECK15 96
X 2 03504. 2 00000. 3 01288. 3 14058. 2 14058. 2 11484. DECK15 97
X 2 00000. 2 03994. 3 55550. 3 19410. 2 18708. 2 00000. DECK15 98
X 2 03341. 2 54135. 3 42733. 3 25642. 2 00000. 2 03188. DECK15 99
X 2 57109. 2 45391. 3 32527. 3 00000. 2 03434. 2 57873. DECK15 100
X 2 22217. 2 33103. 3 00000. 3 03377. 2 58048. 2 52501. DECK15 101
X 2 45997. 2 00000. 3 03624. 3 03377. 2 58048. 2 52501. DECK15 102
X 2 00000. 2 03649. 3 60105. 3 58652. 2 59142. 2 00000. DECK15 103
X 2 05030. 2 84407. 3 61640. 3 76624. 2 00000. 2 06154. DECK15 104
X 2 01132. 2 51205. 3 35113. 3 00000. 2 07181. 2 18235. DECK15 105
X 2 08447. 2 00000. 3 00000. 3 07937. 2 32898. 2 67415. DECK15 106
X 12 14309. 10 00000. 17729. 2 96468. 12 44886. 26 98834. DECK15 107
DATA (X112 (JXL), JKL=1, 108)/
X 1 77304. 1 77305. 1 77306. 1 77307. 1 52575. DECK15 108
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110

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X 1 61694. 1 69888. 1 77509. 1 83819. 1 18943. 1 38718. DECK15 109
X 1 58047. 1 75849. 1 90095. 1 84207. 1 12999. 1 43438. DECK15 110
X 1 27642. 1 96173. 1 53250. 1 87002. 1 27056. 1 68447. DECK15 111
X 2 02067. 2 29181. 3 62832. 1 02762. 1 63088. 2 07793. DECK15 112
X 1 13122. 2 42102. 3 92315. 2 56740. 2 13364. 2 04360. DECK15 113
X 2 25687. 2 75464. 1 49625. 2 18792. 2 00844. 2 13877. DECK15 114
X 2 59733. 2 41850. 2 24088. 2 00044. 2 06338. 2 45600. DECK15 115
X 1 13546. 2 29261. 3 00000. 3 23111. 1 24868. 2 24868. DECK15 116
X 2 44319. 2 00000. 3 02304. 3 41190. 1 27670. 2 39270. DECK15 117
X 2 00000. 2 02359. 3 34962. 1 30411. 2 44121. 2 00000. DECK15 118
X 2 02411. 2 35497. 1 33094. 2 48876. 2 00000. 2 02462. DECK15 119
X 2 14427. 2 15728. 2 53542. 2 00000. 2 02511. 2 37151. DECK15 120
X 1 38309. 2 58123. 3 00000. 3 02560. 1 37844. 1 40844. DECK15 121
X 2 62624. 2 00000. 3 02608. 3 38535. 1 43333. 2 67050. DECK15 122
X 2 00000. 2 02655. 3 39212. 1 45780. 2 71402. 2 00000. DECK15 123
X 2 02701. 2 14278. 1 38188. 2 75680. 2 00000. 2 02756. DECK15 124
X 2 40532. 1 50553. 3 79905. 3 00000. 2 02791. 2 41177. DECK15 125
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DATA (X112 (JXL), JKL=109, 180)/
X 1 52884. 2 84060. 3 00000. 3 02834. 1 41811. 1 55180. DECK15 126
X 2 88156. 2 00000. 3 02878. 3 42436. 1 57443. 2 22194. DECK15 127
X 2 00000. 2 02920. 3 43052. 1 59673. 2 96176. 2 00000. DECK15 128
X 2 02942. 2 43659. 1 61873. 3 00106. 3 00000. 2 03004. DECK15 129
X 2 44258. 1 64043. 3 03985. 3 00000. 3 03044. 2 44849. DECK15 130
X 1 59183. 2 07815. 3 00000. 3 03885. 1 45434. 1 58427. DECK15 131
X 1 11598. 2 00000. 3 03124. 3 46008. 1 70318. 1 15336. DECK15 132
X 2 00000. 2 03164. 3 46577. 1 72450. 3 19029. 2 00000. DECK15 133
X 2 04459. 2 65386. 2 40882. 2 42142. 3 00000. 2 05455. DECK15 134
X 2 79883. 2 23782. 3 17764. 3 00000. 3 06228. 2 22126. DECK15 135
X 3 38512. 3 18780. 3 00000. 3 07038. 1 02922. 1 77988. DECK15 136
X 2 90352. 2 00000. 15714. 2 29587. 8 41736. 15 33134. DECK15 137
DATA (X12 (JXL), JKL=1, 108)/
X 1 43132. 1 43132. 1 43133. 1 43134. 1 43134. 1 33126. DECK15 138
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X 1 35904. 1 38794. 1 41787. 1 44869. 1 24117. 1 28994. DECK15 139
X 1 34384. 1 40252. 1 46538. 1 16496. 2 24660. 2 30027. DECK15 140
X 1 38568. 1 48149. 1 10436. 1 17057. 2 25818. 2 36767. DECK15 141
X 1 42707. 1 05253. 1 12282. 1 21831. 3 34878. 2 51217. DECK15 142
X 1 02931. 1 08377. 1 18125. 1 32225. 2 52684. 2 01147. DECK15 143
X 1 05333. 1 14746. 1 30932. 1 54111. 2 00296. 2 03100. DECK15 144
X 1 11725. 1 28918. 1 55501. 1 01586. 2 01586. 2 09080. DECK15 145
X 1 24903. 1 56857. 3 00000. 3 00670. 2 06823. 2 24908. DECK15 146
X 1 58181. 2 00000. 3 00686. 3 06983. 2 25478. 2 59475. DECK15 147
X 1 00000. 2 00702. 3 07139. 1 26036. 2 60742. 2 00000. DECK15 148
X 1 00717. 2 07293. 1 26582. 1 61983. 3 00000. 2 00732. DECK15 149
X 1 07443. 2 27116. 3 63200. 3 00000. 2 00747. 2 07590. DECK15 150
X 1 27641. 2 64393. 3 00000. 3 00761. 2 07734. 2 28155. DECK15 151
X 1 65564. 2 00000. 3 00776. 3 07876. 2 28661. 2 66715. DECK15 152
X 1 00000. 2 00789. 3 08015. 3 29157. 2 67847. 2 00000. DECK15 153
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DECK15 154
DECK15 155
DECK15 156
DECK15 157
DECK15 158
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160	X	00803.	08152.	29646.	68960.	00000.	00817.	DECK15	159
	X	08286.	30126.	70055.	00000.	00830.	08419.	DECK15	160
		DATA (X12 (JKL), JKL=109, 180)/						MOD1	10
	X	70598.	21127.	00000.	08847.	08548.	71064.	DECK15	161
	X	72195.	00000.	00854.	08677.	31523.	73242.	DECK15	162
	X	00900.	00869.	08804.	31975.	74274.	00000.	DECK15	163
165	X	00881.	08929.	32421.	75291.	00000.	00893.	DECK15	164
	X	00862.	32841.	76285.	08800.	00804.	08127.	DECK15	165
	X	33294.	77284.	00000.	08918.	09293.	31723.	DECK15	166
	X	78265.	00000.	08929.	09411.	34146.	79231.	DECK15	167
	X	00000.	08941.	09528.	34864.	80186.	00000.	DECK15	168
170	X	01127.	11108.	08802.	11829.	00000.	01627.	DECK15	169
	X	16361.	69884.	11834.	00000.	01873.	18871.	DECK15	170
	X	68110.	67110.	00000.	02093.	21085.	76072.	DECK15	171
	X	75431.	00000.	04676.	47048.	1.69552.	3.90513.	DECK15	172
		DATA (X13 (JKL), JKL=1, 180)/						MOD1	11
175	X	39048.	39048.	39047.	39048.	39048.	26297.	DECK15	173
	X	29646.	33025.	36727.	40629.	16247.	21299.	DECK15	174
	X	27309.	34276.	42151.	09087.	14575.	22064.	DECK15	175
	X	11756.	57618.	08858.	08189.	17888.	32213.	DECK15	176
	X	46037.	01007.	08451.	13177.	24487.	42413.	DECK15	177
180	X	00626.	03113.	09393.	24211.	47749.	00145.	DECK15	178
	X	01544.	07232.	21812.	49048.	00017.	00663.	DECK15	179
	X	05092.	19511.	50313.	00000.	00212.	03184.	DECK15	180
	X	17328.	51148.	00000.	00000.	02161.	18279.	DECK15	181
185	X	52753.	00000.	00062.	02212.	15431.	53931.	DECK15	182
	X	00000.	00063.	02262.	15975.	55084.	00000.	DECK15	183
	X	00065.	02311.	16112.	56213.	00000.	00000.	DECK15	184
	X	02389.	16442.	57310.	00000.	00000.	00000.	DECK15	185
	X	16465.	58404.	00000.	00049.	02461.	17283.	DECK15	186
	X	59472.	00000.	00070.	02497.	17595.	40519.	DECK15	187
190	X	00000.	00071.	02551.	17201.	01542.	00000.	DECK15	188
	X	00072.	02584.	18102.	02641.	00000.	00074.	DECK15	189
	X	02627.	18498.	63557.	00000.	00075.	02669.	DECK15	190
		DATA (X14 (JKL), JKL=109, 180)/						MOD1	12
195	X	18720.	63578.	00000.	00076.	02711.	19877.	DECK15	191
	X	65504.	00000.	00077.	02752.	19360.	44456.	DECK15	192
	X	00000.	00078.	02792.	19438.	67395.	00000.	DECK15	193
	X	00079.	02832.	19913.	68320.	00000.	00081.	DECK15	194
	X	02871.	20185.	62213.	00000.	00082.	02989.	DECK15	195
	X	20462.	70135.	00000.	00083.	02944.	18716.	DECK15	196
200	X	71025.	00000.	00084.	02985.	20977.	71903.	DECK15	197
	X	00000.	00085.	03022.	21234.	72772.	00000.	DECK15	198
	X	00120.	03250.	23760.	01543.	00000.	00136.	DECK15	199
	X	05194.	36318.	1.23885.	00000.	00169.	08993.	DECK15	200
205	X	41894.	42708.	00000.	00189.	04696.	46797.	DECK15	201
	X	59338.	00000.	00222.	14945.	1.04331.	3.54748.	DECK15	202
		DATA (X15 (JKL), JKL=1, 180)/						MOD1	13
	X	00001.	00001.	00001.	00001.	00000.	09734.	DECK15	203
	X	07460.	05074.	02583.	00000.	18487.	14591.	DECK15	204
210	X	10187.	05304.	00000.	25885.	21156.	15227.	DECK15	205
	X	08131.	00000.	11744.	27002.	20105.	11038.	DECK15	206
	X	00000.	16111.	32032.	24751.	13999.	00000.	DECK15	207
	X	39042.	36224.	29188.	16994.	00000.	46777.	DECK15	208
	X	39671.	33135.	28001.	00000.	41616.	42132.	DECK15	209
215	X	36803.	23804.	00000.	41900.	41995.	40094.	DECK15	210
	X	25986.	00000.	41985.	45282.	43000.	28927.	DECK15	211
	X	00000.	47618.	46783.	44249.	29493.	00000.	DECK15	212
	X	45219.	48236.	45463.	30439.	00000.	46765.	DECK15	213
	X	45637.	46636.	31167.	00000.	48260.	51018.	DECK15	214
	X	47799.	31879.	00000.	49709.	53382.	48925.	DECK15	215
220	X	32576.	00000.	51118.	53654.	50025.	33254.	DECK15	216
	X	00000.	52488.	54924.	51102.	33924.	00000.	DECK15	217
	X	51822.	54164.	52156.	34573.	00000.	55125.	DECK15	218
	X	54380.	53190.	35222.	00000.	56397.	58569.	DECK15	219
	X	54203.	35853.	00000.	57640.	59734.	55198.	DECK15	220
225		DATA (X16 (JKL), JKL=109, 180)/						MOD1	14
	X	36573.	00000.	58858.	60877.	56175.	37083.	DECK15	221
	X	60850.	60850.	51999.	37873.	37873.	00000.	DECK15	222
	X	61219.	63101.	58081.	38273.	00000.	62366.	DECK15	223
230	X	64184.	59011.	38855.	00000.	63493.	65248.	DECK15	224
	X	59224.	39428.	00000.	64599.	66295.	60827.	DECK15	225
	X	39993.	00000.	65587.	67327.	61715.	48550.	DECK15	226
	X	00000.	66757.	68343.	62591.	41099.	00000.	DECK15	227
	X	67810.	69344.	63454.	41641.	00000.	01313.	DECK15	228
	X	01878.	21636.	62329.	00000.	1.26209.	2.5803.	DECK15	229
235	X	12870.	72954.	00000.	44944.	1.48864.	30700.	DECK15	230
	X	84359.	00000.	1.65096.	1.63837.	1.46404.	94396.	DECK15	231
	X	00000.	3.74879.	3.70136.	3.29344.	2.11643.	00000.	DECK15	232

[illegible]

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X -1.61245, .42789, .25145, .34512, -1.11839, -1.64317,
X -43033, .25095, .35579, -1.14150, -1.67332, .43290,
X -25058, .36619, -1.16415, -1.70294, .43658, .25033,
X -17432, -1.18637, -1.73206, .43828, .25018, .36630,
DATA (X19 (JKL), JKL=109,180)/
X -1.20818, -1.76068, .44121, .25015, -1.39586, -1.22961,
X -1.78886, .44413, .25019, .40531, -1.25067, -1.81659,
X -88710, .25032, .41484, -1.27138, -1.84381, .45012,
X -25051, .42361, -1.29176, -1.87083, .45318, .25077,
X -43249, -1.31182, -1.89737, .45627, .25109, .44120,
X -1.33158, -1.92354, .45939, .45975, -1.35106, .25127,
X -1.35174, .46253, .25182, .46518, -1.37078, -1.87888,
X -46548, .46532, .25232, .46861, -1.39069, .48817,
X -28198, .46889, .25282, .47204, -1.41073, .49399,
X -91175, .47179, .25332, .47547, -1.43089, .50000,
X -2.26155, -1.00000, .47890, .47890, -1.45113, -1.20779,
X -4.47216, -1.87605, .48135, .25382, -1.47149, -10.00000,
DATA (X17 (JKL), JKL=1,108)/
X -1.99999, -1.99999, -2.00000, -2.00001, -2.00002, -1.66037,
X -1.78819, -1.99999, -2.01503, -2.01503, -1.99222, .46751,
X -1.76232, -1.99709, -2.01998, -2.01998, -1.11682, .43777,
X -1.95576, -2.28036, .35050, .77746, -1.31334, -1.89556,
X -2.36643, .07213, .47817, -1.08338, -1.81986, -2.44948,
X -1.0081, .23827, .45916, .23827, -2.52981, .48721,
X -88179, .45361, -1.85117, -1.60767, .21736, .47161,
X -46122, -1.82716, -2.46326, .21957, .14450, .29828,
X -1.41571, -2.75679, .21388, .21388, -1.16320, -1.30119,
X -2.82830, .20138, .16388, -1.17838, -1.29881, -2.83825,
X -1.98034, .16092, .19288, -1.19279, .46488, .16024,
X -15286, .20671, -1.41591, .3.03311, .17101, .14539,
X -22000, -1.45215, .3.09838, .16253, .13843, .23277,
X -1.38752, -1.16229, .15263, .13191, .23882, -1.52207,
X -3.26886, .18740, .12579, .20499, -1.58884, .20499,
X -14059, .12002, .26850, -1.58893, .3.46539, .13421,
X -11856, .27966, -1.62133, -1.40583, .12821, .10939,
X -29050, -1.65310, -1.46305, .12254, .10547, .30103,
DATA (X17 (JKL), JKL=109,180)/
X -1.68428, -3.62131, .11718, .09979, .31129, -1.71489,
X -3.67765, .11209, .09531, .32128, -1.74496, -3.63312,
X -10725, .09103, .11189, -1.77583, -3.68775, .10263,
X -88693, .14054, -1.80361, .74159, .09422, .00298,
X -34987, -1.83224, .3.79467, .09399, .07919, -1.35898,
X -1.84042, -3.84701, .08994, .07554, .36790, -1.88819,
X -3.89848, .08609, .07202, .37643, -1.93555, -1.93561,
X -88179, .08363, .38533, -1.94383, .3.99999, .00000,
X -81702, .64640, -2.81784, .5.65673, .05779, .06504,
X -83196, -3.47918, .6.92804, .09323, .10014, .26368,
X -4.03370, .7.92881, .12177, .12860, -1.1314, .52073,
X -8.94406, .39506, .40406, -2.40343, -10.10652, -19.99950,
DATA (X111 (JKL), JKL=1,108)/
X -1.00000, -1.00000, -1.00000, -1.00001, -1.00001, .86748,
X -92593, .92782, -1.01927, -1.03882, .63850, .77775,
X -91020, -1.02258, -1.04498, .17837, .69386, .81682,
X -1.01204, -1.14018, .13300, .39791, .69947, .99010,
X -1.18322, .06076, .20967, .67235, .95886, -1.22475,
X -19262, .09386, .53985, .91718, -1.26522, .26570,
X -88693, .10848, .86837, -1.30388, .29588, .18703,
X -18360, .81300, -1.34169, .30271, .25004, .06967,
X -75211, -1.37841, .30318, .28468, .02987, .68699,
X -1.41522, .30326, .28510, .28510, .70768, -1.95919,
X -10380, .28617, .02942, .72780, -1.98324, .38870,
X -28725, .01609, .74737, -1.51658, .30588, .28851,
X -01200, .76645, -1.54920, .30728, .28991, .00810,
X -78507, -1.58114, .30884, .29153, .00439, .80326,
X -1.61245, .11068, .49308, .00004, .82105, -1.84317,
X -31246, .29475, .00256, .83847, -1.67332, .31444,
X -29452, .00582, .85553, -1.70294, .31546, .29835,
X -88693, .87428, .73206, .31858, .30023, .01199,
DATA (X111 (JKL), JKL=109,180)/
X -1.88867, -1.76068, .32078, .30215, .01491, .90479,
X -1.78886, .32297, .30410, .01779, .92063, -1.81659,
X -32529, .30609, .02097, .93620, -1.84391, .32753,
X -10810, .02333, .95182, -1.87083, .32985, .31013,
X -02571, .96660, -1.89737, .33220, .31217, .02821,
X -98144, -1.92354, .33466, .31423, .03065, .99606,
X -1.94936, .33699, -1.93302, .31630, -1.01048, -1.97484,
X -33933, .33839, .03234, -1.02469, -2.00000, .43140,
X -39901, .10094, -1.48567, .82843, .51040, .46894,
X -14382, -1.83430, .3.46410, .59933, .53032, .17760,
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DECK15 318
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ROOT 20
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ROOT 24
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DECK15 394
DECK15 395
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X -2.12554, -4.00000, .64110, .58550, .20625, -2.38122,
X -4.47214, 1.38748, 1.28707, .51574, -.516946, -10.00000/
DATA XA, 5, 55, 6, 65, 7, 75, 8, 85, 9, 95, 1, 1.05, 1, 1.1, 1.15, 1.2,
1, 25, 1, 3, 1, 75, 1, 8, 1, 5, 1, 6, 1, 4, 1, 65, 1, 7, 1, 75, 1, 8, 1, 85, 1, 9,
21, 95, 2, 4, 6, 8, 10, 60, /
400 I=111
1 IF(SP2-XA(I))2,3,4
2 IF(1, EQ 11, 60, 10, 1)
I=I-1
405 GO TO 1
4 IF(1, EQ 36) GO TO 3
IF(SP2-XA(I+1)) 5,6,7
7 I=I+1
GO TO 4
410 6 M=I+1
GO TO 8
3 M=1
GO TO 8
415 5 XM=(SP2-XA(I))/(XA(I+1)-XA(I))
JMIN=1-185+1
JMIN1=JMIN+5
PH(1)=P1
PH(2)=P2
PH(3)=P3
420 DO 600 KK=1,3
PX=PH(KK)
PHIN=SP2-1
PMMX=SP2-5
IF(PMMX, LE, 0) PMMX = .000001
IF(PHIN, LE, 0) PHIN=0.0
DEL=(PMMX-PHIN)/4.
IF(PX, LT, PHIN) PX = PHIN
KT=0
224 IF(PX-(PHIN+DELSKT)) 225, 226, 227
430 227 IF(KT, EQ, 4) GO TO 226
KT = KT + 1
GO TO 224
226 KS=JMIN+KT
KS1=JMIN1+KT
GO TO 300
435 225 IF(KT, EQ, 0) GO TO 226
KS = JMIN + KT - 1
KS1=JMIN1+KT-1
KKP=KS+1
440 KKP1=KS1+1
XM=(PX-(PHIN+DELS(KT-1)))/DEL
T123(PK)=X11(KS)+XMS(X11(KKP)-X11(KS))+XMS(X11(KS1)-X11(KS)+
1XMS(X11(KKP1)+X11(KS)-X11(KS1)-X11(KKP)))
T124(PK)=X12(KS)+XMS(X12(KKP)-X12(KS))+XMS(X12(KS1)-X12(KS)+
445 1XMS(X12(KKP1)+X12(KS)-X12(KS1)-X12(KKP)))
T125(PK)=X13(KS)+XMS(X13(KKP)-X13(KS))+XMS(X13(KS1)-X13(KS)+
1XMS(X13(KKP1)+X13(KS)-X13(KS1)-X13(KKP)))
T126(PK)=X14(KS)+XMS(X14(KKP)-X14(KS))+XMS(X14(KS1)-X14(KS)+
450 1XMS(X14(KKP1)+X14(KS)-X14(KS1)-X14(KKP)))
TJ23(PK)=X15(KS)+XMS(X15(KKP)-X15(KS))+XMS(X15(KS1)-X15(KS)+
1XMS(X15(KKP1)+X15(KS)-X15(KS1)-X15(KKP)))
TJ24(PK)=X16(KS)+XMS(X16(KKP)-X16(KS))+XMS(X16(KS1)-X16(KS)+
455 1XMS(X16(KKP1)+X16(KS)-X16(KS1)-X16(KKP)))
TJ25(PK)=X17(KS)+XMS(X17(KKP)-X17(KS))+XMS(X17(KS1)-X17(KS)+
1XMS(X17(KKP1)+X17(KS)-X17(KS1)-X17(KKP)))
TJ26(PK)=X18(KS)+XMS(X18(KKP)-X18(KS))+XMS(X18(KS1)-X18(KS)+
460 1XMS(X18(KKP1)+X18(KS)-X18(KS1)-X18(KKP)))
TJ27(PK)=X19(KS)+XMS(X19(KKP)-X19(KS))+XMS(X19(KS1)-X19(KS)+
1XMS(X19(KKP1)+X19(KS)-X19(KS1)-X19(KKP)))
TJ28(PK)=X10(KS)+XMS(X10(KKP)-X10(KS))+XMS(X10(KS1)-X10(KS)+
465 1XMS(X10(KKP1)+X10(KS)-X10(KS1)-X10(KKP)))
TJ29(PK)=X11(KS)+XMS(X11(KKP)-X11(KS))+XMS(X11(KS1)-X11(KS)+
1XMS(X11(KKP1)+X11(KS)-X11(KS1)-X11(KKP)))
TJ26(PK)=X12(KS)+XMS(X12(KKP)-X12(KS))+XMS(X12(KS1)-X12(KS)+
470 1XMS(X12(KKP1)+X12(KS)-X12(KS1)-X12(KKP)))
GO TO 400
300 T123(PK)=X11(KS)+XMS(X11(KS1)-X11(KS))
T124(PK)=X12(KS)+XMS(X12(KS1)-X12(KS))
T125(PK)=X13(KS)+XMS(X13(KS1)-X13(KS))
T126(PK)=X14(KS)+XMS(X14(KS1)-X14(KS))
TJ23(PK)=X15(KS)+XMS(X15(KS1)-X15(KS))
TJ24(PK)=X16(KS)+XMS(X16(KS1)-X16(KS))
TJ25(PK)=X17(KS)+XMS(X17(KS1)-X17(KS))
TJ26(PK)=X18(KS)+XMS(X18(KS1)-X18(KS))
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475      TJ238(NK)=X19(KS)+XN8(X19(KS1)-X19(KS))
      TJ248(NK)=X110(KS)+XN8(X110(KS1)-X110(KS))
      TJ258(NK)=X111(KS)+XN8(X111(KS1)-X111(KS))
      TJ268(NK)=X112(KS)+XN8(X112(KS1)-X112(KS))
      GO TO 400
480      400 D1=SQRT(1.+2.*PX)
      D2=ASIN(PX/(1.+PX))
      PX=285398
      D3=(1.+2.*PX)
      D5=1.+2.*PX+PX*PX-SP2*SP2
      D6=SQRT(D5)
      D7=ASIN(SP2/(1.+PX))
      D8=1.+PX
      T119(NK)=.458(PX*.5801+D8*D8*.5802-P48PX*PX)
      T120(NK)=SP2*SP2+D5*D7
      T122(NK)=7012987028TJ119(NK)
      TJ198(NK)=.458(D8*D2-P482.*PX+D1)
      TJ198(NK)=.458(PX*PX*P482.-PX*D1-PX*D8*D2)
      TJ208(NK)=2.*D8*D7
      TJ208(NK)=2.*SP2*SP2+PX*D8*D7)
      TJ228(NK)=7012987028TJ198(NK)
      TJ228(NK)=7012987028TJ198(NK)
      TJ238(NK)=TJ238(NK)-T123(NK)
      TJ248(NK)=TJ248(NK)-T124(NK)
      TJ258(NK)=TJ258(NK)-T125(NK)
      TJ268(NK)=TJ268(NK)-T126(NK)
500      600 TJ268(NK)=TJ268(NK)-T126(NK)
      CONTINUE
      GO TO 700
      8 JWIN=(N-1)*5+1
      PH(1)=P1
      PH(2)=P2
      PH(3)=P3
      DO 800 NK=1,3
      PX=PH(NK)
      PHIN=SP2-1.
      PHIN=SP2-5
510      IF(PHIN.LE.0.) PHIN=.000001
      IF(PHIN.LE.0.) PHIN=0.0
      DEL=(PHIN-PHIN)/4.
      IF(PHIN.LT.PHIN) PH=PHIN
      115 KT=0
      334 IF(PH-(PHIN+DEL*KT)) 335,336,337
      337 IF(KT.EQ.4) GO TO 336
      KT=KT+1
      GO TO 334
520      336 KS=JWIN+KT
      GO TO 750
      335 IF(KT.EQ.0) GO TO 336
      KS=JWIN+KT-1
      KKP=KS+1
      XN=(PX-(PHIN+DEL*KT-DEL))/DEL
      T123(NK)=X11(KS)+XN8(X11(KKP)-X11(KS))
      T124(NK)=X12(KS)+XN8(X12(KKP)-X12(KS))
      T125(NK)=X13(KS)+XN8(X13(KKP)-X13(KS))
      T126(NK)=X14(KS)+XN8(X14(KKP)-X14(KS))
      T127(NK)=X15(KS)+XN8(X15(KKP)-X15(KS))
      T128(NK)=X16(KS)+XN8(X16(KKP)-X16(KS))
      T129(NK)=X17(KS)+XN8(X17(KKP)-X17(KS))
      T130(NK)=X18(KS)+XN8(X18(KKP)-X18(KS))
      T131(NK)=X19(KS)+XN8(X19(KKP)-X19(KS))
535      TJ248(NK)=X110(KS)+XN8(X110(KKP)-X110(KS))
      TJ258(NK)=X111(KS)+XN8(X111(KKP)-X111(KS))
      TJ268(NK)=X112(KS)+XN8(X112(KKP)-X112(KS))
      GO TO 650
      750 T123(NK)=X11(KS)
      T124(NK)=X12(KS)
      T125(NK)=X13(KS)
      T126(NK)=X14(KS)
      T127(NK)=X15(KS)
      TJ238(NK)=X19(KS)
      TJ248(NK)=X110(KS)
      TJ258(NK)=X111(KS)
      TJ268(NK)=X112(KS)
550      650 D3=1.+2.*PX
      D1=SQRT(D3)
      D2=ASIN(PX/(1.+PX))

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DECK15 475
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SYMBOLIC REFERENCE MAP (R=3)

ENTRY POINTS 3 XINT1	DEF LINE 1	REFERENCES 595									
VARIABLES	SM	TYPE	RELOCATION								
1146 DEL		REAL	REFS 429	28441	516	38525	DEFINED	426	513		
1155 D1		REAL	REFS 488	491	492	559	562	563			
			DEFINED 480	552							
1156 D2		REAL	REFS 488	491	492	559	562	563			
			DEFINED 481	553							
1160 D3		REAL	REFS 552	DEFINED 483	551						
1161 D5		REAL	REFS 485	489	556	560	DEFINED 484	555			
1162 D6		REAL	REFS 489	490	558	563	DEFINED 485	556			
1163 D7		REAL	REFS 489	493	494	560	564	565			
			DEFINED 486	557							
1164 D8		REAL	REFS 28488	491	492	493	494	28559	562		
			563	565	DEFINED 487	558					
1135 I		INTEGER	REFS 402	403	404	406	407	408	410		
			412	38414	415	594	DEFINED 401	404	408		
0 III		INTEGER	REFS 401	DEFINED 433	1	594					
1140 JMTN		INTEGER	REFS 415	503	437	520	523				
			DEFINED 434	438							
1141 JMIN1		INTEGER	REFS 28442	28444	DEFINED 416	28448	28450	28452	28454		
1152 KKP		INTEGER	REFS 28456	28458	28460	28462	28464	526	527		
			529	530	531	532	533	534	535		
			537	DEFINED 439	524				536		

VARIABLES SM TYPE RELOCATION

1153	KKP1	INTEGER		REFS	442	444	446	448	450	452	454
				456	458	460	462	464	DEFINED	460	
1150	KS	INTEGER		REFS	439	4442	4444	4446	4448	4450	4452
				28469	28470	28471	28472	28473	28474	28475	28476
				28477	28478	524	28526	28527	28528	28529	28530
				28531	28532	28533	28534	28535	28536	28537	539
				540	541	542	543	544	545	546	547
1151	KS1	INTEGER		REFS	440	28442	28444	28446	28448	28450	28452
				28454	28456	28458	28460	28462	28464	467	468
				469	470	471	472	473	474	475	476
1147	KT	INTEGER		REFS	429	430	431	432	433	434	436
				438	441	516	517	518	520	522	523
1136	M	INTEGER		REFS	503	DEFINED	410	412	414	416	418
1142	MK	INTEGER		REFS	421	442	444	446	448	450	452
				454	456	458	460	462	464	466	468
				469	470	471	472	473	474	475	476
				477	478	479	480	481	482	483	484
				494	28495	28496	38497	38498	38499	38500	508
				526	527	528	529	530	531	532	533
				534	535	536	537	538	539	540	541
				542	543	544	545	546	547	548	549
				559	560	28561	562	563	564	565	28566
				28567	38568	38569	38570	38571	596		
				DEFINED	420	507					
1272	PH	REAL	ARRAY	REFS	10	421	508	DEFINED	417	418	419
				504	505	506					
1145	PMAX	REAL		REFS	424	426	511	513	DEFINED	423	424
				510	511						
1144	PHIN	REAL		REFS	425	426	28427	429	441	512	513
				28514	516	525	DEFINED	422	425	509	512
1143	PX	REAL		REFS	427	429	441	480	28481	483	38484
				508	487	38488	491	48422	494	514	516
				529	531	28533	38535	537	538	38539	562
				48563	565	596	DEFINED	421	427	508	514
				REFS	417	504	DEFINED	1			
				REFS	418	505	DEFINED				
				REFS	419	506	DEFINED				
				REFS	488	491	492	559	562	563	
				DEFINED	482	554					
				REFS	402	407	414	422	423	28484	486
				489	494	509	510	28555	557	560	565
1237	T119	REAL	ARRAY	REFS	10	490	561	38573	DEFINED	488	559
				REFS	1	573					
				REFS	1	573					
				REFS	1	573					
1242	T120	REAL	ARRAY	REFS	10	38574	DEFINED	489	560		
				REFS	1	574					
1168	T1202	REAL		REFS	574						
1166	T1203	REAL		REFS	574						
1245	T122	REAL	ARRAY	REFS	10	38575	DEFINED	490	561		
				REFS	1	575					
				REFS	1	575					
				REFS	1	575					
				REFS	1	575					
1173	T123	REAL	ARRAY	REFS	10	497	568	38576	DEFINED	442	467
				526	539						
				REFS	1	576					
				REFS	1	576					
				REFS	1	576					
1176	T124	REAL	ARRAY	REFS	10	498	569	38577	DEFINED	444	468
				527	540						
				REFS	1	577					
				REFS	1	577					
				REFS	1	577					
1201	T125	REAL	ARRAY	REFS	10	499	570	38578	DEFINED	446	469
				528	541						
				REFS	1	578					
				REFS	1	578					
				REFS	1	578					
1204	T126	REAL	ARRAY	REFS	10	500	571	38579	DEFINED	448	470
				529	542						
				REFS	1	579					
				REFS	1	579					
				REFS	1	579					
1261	TJ198	REAL	ARRAY	REFS	10	496	567	38587	DEFINED	492	563

VARIABLES	SM	TYPE	RELOCATION	DEFINED	REFS	334	353	38474	38533	546		
2420	X18	REAL	ARRAY P83	DEFINED	REFS	78	98456	38474	38533	546		
2704	X18	REAL	ARRAY P83	DEFINED	REFS	78	98456	38474	38533	546		
1154	XN	REAL		DEFINED	REFS	302	321	28446	28448	28450	28452	28454
					REFS	28442	28444	28446	28448	28450	28452	28454
					REFS	28456	28458	28460	28462	28464	526	528
					REFS	528	530	532	534	536	538	540
					REFS	532	534	536	538	540	542	544
1137	XN	REAL		DEFINED	REFS	442	444	446	448	450	452	454
					REFS	444	446	448	450	452	454	456
					REFS	446	448	450	452	454	456	458
					REFS	448	450	452	454	456	458	460
					REFS	450	452	454	456	458	460	462
					REFS	452	454	456	458	460	462	464
					REFS	454	456	458	460	462	464	466
					REFS	456	458	460	462	464	466	468
					REFS	458	460	462	464	466	468	470
					REFS	460	462	464	466	468	470	472
					REFS	462	464	466	468	470	472	474
					REFS	464	466	468	470	472	474	476
					REFS	466	468	470	472	474	476	478
					REFS	468	470	472	474	476	478	480
					REFS	470	472	474	476	478	480	482
					REFS	472	474	476	478	480	482	484
					REFS	474	476	478	480	482	484	486
					REFS	476	478	480	482	484	486	488
					REFS	478	480	482	484	486	488	490
					REFS	480	482	484	486	488	490	492
					REFS	482	484	486	488	490	492	494
					REFS	484	486	488	490	492	494	496
					REFS	486	488	490	492	494	496	498
					REFS	488	490	492	494	496	498	500
					REFS	490	492	494	496	498	500	502
					REFS	492	494	496	498	500	502	504
					REFS	494	496	498	500	502	504	506
					REFS	496	498	500	502	504	506	508
					REFS	498	500	502	504	506	508	510
					REFS	500	502	504	506	508	510	512
					REFS	502	504	506	508	510	512	514
					REFS	504	506	508	510	512	514	516
					REFS	506	508	510	512	514	516	518
					REFS	508	510	512	514	516	518	520
					REFS	510	512	514	516	518	520	522
					REFS	512	514	516	518	520	522	524
					REFS	514	516	518	520	522	524	526
					REFS	516	518	520	522	524	526	528
					REFS	518	520	522	524	526	528	530
					REFS	520	522	524	526	528	530	532
					REFS	522	524	526	528	530	532	534
					REFS	524	526	528	530	532	534	536
					REFS	526	528	530	532	534	536	538
					REFS	528	530	532	534	536	538	540
					REFS	530	532	534	536	538	540	542
					REFS	532	534	536	538	540	542	544
					REFS	534	536	538	540	542	544	546
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					REFS	538	540	542	544	546	548	550
					REFS	540	542	544	546	548	550	552
					REFS	542	544	546	548	550	552	554
					REFS	544	546	548	550	552	554	556
					REFS	546	548	550	552	554	556	558
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					REFS	550	552	554	556	558	560	562
					REFS	552	554	556	558	560	562	564
					REFS	554	556	558	560	562	564	566
					REFS	556	558	560	562	564	566	568
					REFS	558	560	562	564	566	568	570
					REFS	560	562	564	566	568	570	572
					REFS	562	564	566	568	570	572	574
					REFS	564	566	568	570	572	574	576
					REFS	566	568	570	572	574	576	578
					REFS	568	570	572	574	576	578	580
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					REFS	572	574	576	578	580	582	584
					REFS	574	576	578	580	582	584	586
					REFS	576	578	580	582	584	586	588
					REFS	578	580	582	584	586	588	590
					REFS	580	582	584	586	588	590	592
					REFS	582	584	586	588	590	592	594
					REFS	584	586	588	590	592	594	596
					REFS	586	588	590	592	594	596	598
					REFS	588	590	592	594	596	598	600
					REFS	590	592	594	596	598	600	602
					REFS	592	594	596	598	600	602	604
					REFS	594	596	598	600	602	604	606
					REFS	596	598	600	602	604	606	608
					REFS	598	600	602	604	606	608	610
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					REFS	604	606	608	610	612	614	616
					REFS	606	608	610	612	614	616	618
					REFS	608	610	612	614	616	618	620
					REFS	610	612	614	616	618	620	622
					REFS	612	614	616	618	620	622	624
					REFS	614	616	618	620	622	624	626
					REFS	616	618	620	622	624	626	628
					REFS	618	620	622	624	626	628	630
					REFS	620	622	624	626	628	630	632
					REFS	622	624	626	628	630	632	634
					REFS	624	626	628	630	632	634	636
					REFS	626	628	630	632	634	636	638
					REFS	628	630	632	634	636	638	640
					REFS	630	632	634	636	638	640	642
					REFS	632	634	636	638	640	642	644
					REFS	634	636	638	640	642	644	646
					REFS	636	638	640	642	644	646	648
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					REFS	656	658	660	662	664	666	668
					REFS	658	660	662	664	666	668	670
					REFS	660	662	664	666	668	670	672
					REFS	662	664	666	668	670	672	674
					REFS	664	666	668	670	672	674	676
					REFS	666	668	670	672	674	676	678
					REFS	668	670	672	674	676	678	680
					REFS	670	672	674	676	678	680	682
					REFS	672	674	676	678	680	682	684
					REFS	674	676	678	680	682	684	686
					REFS	676	678	680	682	684	686	688
					REFS	678	680	682	684	686	688	690
					REFS	680	682	684	686	688	690	692
					REFS	682	684	686	688	690	692	694
					REFS	684	686	688	690	692	694	696
					REFS	686	688	690	692	694	696	698
					REFS	688	690	692	694	696	698	700
					REFS	690	692	694	696	698	700	702
					REFS	692	694	696	698	700	702	704
					REFS	694	696	698	700	702	704	706
					REFS	696	698	700	7			

1	SUBROUTINE	TIME	Y101	Y102	Y103	Y104	Y105	Y106	Y107	Y108	Y109	Y110	Y111	Y112	Y113	Y114	Y115	Y116	Y117	Y118	Y119	Y120	Y121	Y122	Y123	Y124	Y125	Y126	Y127	Y128	Y129	Y130	Y131	Y132	Y133	Y134	Y135	Y136	Y137	Y138	Y139	Y140	Y141	Y142	Y143	Y144	Y145	Y146	Y147	Y148	Y149	Y150	Y151	Y152	Y153	Y154	Y155	Y156	Y157	Y158	Y159	Y160	Y161	Y162	Y163	Y164	Y165	Y166	Y167	Y168	Y169	Y170	Y171	Y172	Y173	Y174	Y175	Y176	Y177	Y178	Y179	Y180	Y181	Y182	Y183	Y184	Y185	Y186	Y187	Y188	Y189	Y190	Y191	Y192	Y193	Y194	Y195	Y196	Y197	Y198	Y199	Y200	Y201	Y202	Y203	Y204	Y205	Y206	Y207	Y208	Y209	Y210	Y211	Y212	Y213	Y214	Y215	Y216	Y217	Y218	Y219	Y220	Y221	Y222	Y223	Y224	Y225	Y226	Y227	Y228	Y229	Y230	Y231	Y232	Y233	Y234	Y235	Y236	Y237	Y238	Y239	Y240	Y241	Y242	Y243	Y244	Y245	Y246	Y247	Y248	Y249	Y250	Y251	Y252	Y253	Y254	Y255	Y256	Y257	Y258	Y259	Y260	Y261	Y262	Y263	Y264	Y265	Y266	Y267	Y268	Y269	Y270	Y271	Y272	Y273	Y274	Y275	Y276	Y277	Y278	Y279	Y280	Y281	Y282	Y283	Y284	Y285	Y286	Y287	Y288	Y289	Y290	Y291	Y292	Y293	Y294	Y295	Y296	Y297	Y298	Y299	Y300	Y301	Y302	Y303	Y304	Y305	Y306	Y307	Y308	Y309	Y310	Y311	Y312	Y313	Y314	Y315	Y316	Y317	Y318	Y319	Y320	Y321	Y322	Y323	Y324	Y325	Y326	Y327	Y328	Y329	Y330	Y331	Y332	Y333	Y334	Y335	Y336	Y337	Y338	Y339	Y340	Y341	Y342	Y343	Y344	Y345	Y346	Y347	Y348	Y349	Y350	Y351	Y352	Y353	Y354	Y355	Y356	Y357	Y358	Y359	Y360	Y361	Y362	Y363	Y364	Y365	Y366	Y367	Y368	Y369	Y370	Y371	Y372	Y373	Y374	Y375	Y376	Y377	Y378	Y379	Y380	Y381	Y382	Y383	Y384	Y385	Y386	Y387	Y388	Y389	Y390	Y391	Y392	Y393	Y394	Y395	Y396	Y397	Y398	Y399	Y400	Y401	Y402	Y403	Y404	Y405	Y406	Y407	Y408	Y409	Y410	Y411	Y412	Y413	Y414	Y415	Y416	Y417	Y418	Y419	Y420	Y421	Y422	Y423	Y424	Y425	Y426	Y427	Y428	Y429	Y430	Y431	Y432	Y433	Y434	Y435	Y436	Y437	Y438	Y439	Y440	Y441	Y442	Y443	Y444	Y445	Y446	Y447	Y448	Y449	Y450	Y451	Y452	Y453	Y454	Y455	Y456	Y457	Y458	Y459	Y460	Y461	Y462	Y463	Y464	Y465	Y466	Y467	Y468	Y469	Y470	Y471	Y472	Y473	Y474	Y475	Y476	Y477	Y478	Y479	Y480	Y481	Y482	Y483	Y484	Y485	Y486	Y487	Y488	Y489	Y490	Y491	Y492	Y493	Y494	Y495	Y496	Y497	Y498	Y499	Y500	Y501	Y502	Y503	Y504	Y505	Y506
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80	X	0.00000.	05675.	11743.	0.00000.	00000.	00000.	DECK16	80
	X	0.00000.	35024.	18639.	0.00000.	27424.	38295.	DECK16	81
	X	0.00000.	13698.	27661.	0.00000.	00000.	00000.	DECK16	82
	X	0.00000.	28887.	87887.	0.00000.	64318.	84487.	DECK16	83
	X	0.00000.	31121.	62415.	0.00000.	00000.	00000./	DECK16	84
85	DATA (X13 (JKL), JKL=1		108)/					MOD1	85
	X	0.00000.	00000.	00000.	0.00000.	00000.	00000.	DECK16	86
	X	0.00000.	00000.	00000.	0.00000.	00000.	00000.	DECK16	87
	X	0.00000.	00688.	02221.	0.00000.	00418.	01315.	DECK16	88
	X	0.00000.	00161.	00492.	0.00000.	00000.	00000.	DECK16	89
90	X	0.00000.	02220.	05014.	0.00000.	01454.	03725.	DECK16	90
	X	0.00000.	00683.	01691.	0.00000.	00000.	00000.	DECK16	91
	X	0.00000.	03818.	04013.	0.00000.	02744.	05583.	DECK16	92
	X	0.00000.	01264.	03177.	0.00000.	00000.	00000.	DECK16	93
	X	0.00000.	05014.	06133.	0.00000.	04068.	06537.	DECK16	94
95	X	0.00000.	02057.	05833.	0.00000.	00000.	00000.	DECK16	95
	X	0.00000.	05706.	06142.	0.00000.	05194.	06927.	DECK16	96
	X	0.00000.	02926.	05915.	0.00000.	00000.	00000.	DECK16	97
	X	0.00000.	06244.	06655.	0.00000.	05642.	07381.	DECK16	98
	X	0.00000.	07180.	06738.	0.00000.	00000.	00000.	DECK16	99
100	X	0.00000.	06728.	07131.	0.00000.	04046.	07809.	DECK16	100
	X	0.00000.	03411.	06655.	0.00000.	00000.	00000.	DECK16	101
	X	0.00000.	07175.	07577.	0.00000.	04420.	08213.	DECK16	102
	X	0.00000.	03624.	06520.	0.00000.	00000.	00000./	DECK16	103
	DATA (X13 (JKL), JKL=109.		216)/					MOD1	104
105	X	0.00000.	07593.	07999.	0.00000.	06769.	08599.	DECK16	105
	X	0.00000.	03823.	07308.	0.00000.	00000.	00000.	DECK16	106
	X	0.00000.	07387.	08328.	0.00000.	07058.	08368.	DECK16	107
	X	0.00000.	04011.	07612.	0.00000.	00000.	00000.	DECK16	108
110	X	0.00000.	08362.	08780.	0.00000.	07411.	09322.	DECK16	109
	X	0.00000.	04190.	07903.	0.00000.	00000.	00000.	DECK16	110
	X	0.00000.	08720.	02156.	0.00000.	07711.	02664.	DECK16	111
	X	0.00000.	04340.	08183.	0.00000.	00000.	00000.	DECK16	112
	X	0.00000.	09063.	09497.	0.00000.	07998.	09993.	DECK16	113
	X	0.00000.	04523.	08453.	0.00000.	00000.	00000.	DECK16	114
115	X	0.00000.	09324.	02836.	0.00000.	08274.	10312.	DECK16	115
	X	0.00000.	04681.	08715.	0.00000.	00000.	00000.	DECK16	116
	X	0.00000.	09713.	10164.	0.00000.	08541.	10622.	DECK16	117
	X	0.00000.	04833.	08968.	0.00000.	00000.	00000.	DECK16	118
	X	0.00000.	24085.	25049.	0.00000.	25703.	25114.	DECK16	119
120	X	0.00000.	11711.	20881.	0.00000.	00000.	00000.	DECK16	120
	X	0.00000.	54840.	56990.	0.00000.	46945.	56745.	DECK16	121
	X	0.00000.	26544.	47024.	0.00000.	00000.	00000./	DECK16	122
	DATA (X13 (JKL), JKL=1		108)/					MOD1	123
125	X	0.00000.	00000.	00000.	0.00000.	00000.	00000.	DECK16	124
	X	0.00000.	03000.	00000.	0.00000.	00000.	00000.	DECK16	125
	X	0.00000.	00661.	02000.	0.00000.	00407.	01232.	DECK16	126
	X	0.00000.	00161.	00478.	0.00000.	00000.	00000.	DECK16	127
	X	0.00000.	02000.	03928.	0.00000.	01358.	03164.	DECK16	128
130	X	0.00000.	00588.	01565.	0.00000.	00000.	00000.	DECK16	129
	X	0.00000.	03194.	04361.	0.00000.	02454.	04338.	DECK16	130
	X	0.00000.	01182.	02722.	0.00000.	00000.	00000.	DECK16	131
	X	0.00000.	03928.	04391.	0.00000.	03431.	04805.	DECK16	132
	X	0.00000.	01884.	03879.	0.00000.	00000.	00000.	DECK16	133
	X	0.00000.	04254.	04400.	0.00000.	04179.	04987.	DECK16	134
135	X	0.00000.	02610.	04722.	0.00000.	00000.	00000.	DECK16	135
	X	0.00000.	04640.	04774.	0.00000.	04613.	05317.	DECK16	136
	X	0.00000.	02825.	05012.	0.00000.	00000.	00000.	DECK16	137
	X	0.00000.	04989.	05121.	0.00000.	04821.	05628.	DECK16	138
	X	0.00000.	03019.	05284.	0.00000.	00000.	00000.	DECK16	139
140	X	0.00000.	05314.	06445.	0.00000.	05104.	06922.	DECK16	140
	X	0.00000.	03199.	05540.	0.00000.	00000.	00000./	DECK16	141
	DATA (X14 (JKL), JKL=109.		216)/					MOD1	142
	X	0.00000.	05618.	05752.	0.00000.	05371.	06202.	DECK16	143
	X	0.00000.	03368.	05784.	0.00000.	00000.	00000.	DECK16	144
145	X	0.00000.	05904.	06043.	0.00000.	05623.	06470.	DECK16	145
	X	0.00000.	03527.	06017.	0.00000.	00000.	00000.	DECK16	146
	X	0.00000.	06180.	06320.	0.00000.	05863.	06727.	DECK16	147
	X	0.00000.	03879.	06241.	0.00000.	00000.	00000.	DECK16	148
150	X	0.00000.	06443.	06586.	0.00000.	06092.	06975.	DECK16	149
	X	0.00000.	03824.	06456.	0.00000.	00000.	00000.	DECK16	150
	X	0.00000.	06695.	06841.	0.00000.	06313.	07214.	DECK16	151
	X	0.00000.	03963.	06665.	0.00000.	00000.	00000.	DECK16	152
	X	0.00000.	06937.	07087.	0.00000.	06527.	07446.	DECK16	153
	X	0.00000.	04096.	06866.	0.00000.	00000.	00000.	DECK16	154
155	X	0.00000.	07172.	07325.	0.00000.	06733.	07670.	DECK16	155
	X	0.00000.	04226.	07062.	0.00000.	00000.	00000.	DECK16	156
	X	0.00000.	17761.	18106.	0.00000.	16192.	18174.	DECK16	157
	X	0.00000.	10129.	16331.	0.00000.	00000.	00000.	DECK16	158

DECKR16	169
MOD1	160
DECKR16	163
DECKR16	163
DECKR16	164
DECKR16	165
DECKR16	166
DECKR16	167
DECKR16	168
DECKR16	169
DECKR16	170
DECKR16	171
DECKR16	172
DECKR16	173
DECKR16	174
DECKR16	175
DECKR16	176
DECKR16	177
DECKR16	178
MOD1	179
DECKR16	180
DECKR16	181
DECKR16	182
DECKR16	183
DECKR16	184
DECKR16	185
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DECKR16	187
DECKR16	188
DECKR16	189
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DECKR16	194
DECKR16	195
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DECKR16	197
DECKR16	198
MOD1	199
DECKR16	200
DECKR16	201
DECKR16	202
DECKR16	203
DECKR16	204
DECKR16	205
DECKR16	206
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DECKR16	211
DECKR16	212
DECKR16	213
DECKR16	214
DECKR16	215
DECKR16	216
DECKR16	217
MOD1	218
DECKR16	219
DECKR16	220
DECKR16	221
DECKR16	222
DECKR16	223
DECKR16	224
DECKR16	225
DECKR16	226
DECKR16	227
DECKR16	228
DECKR16	229
DECKR16	230
DECKR16	231
DECKR16	232
DECKR16	233
DECKR16	234
DECKR16	235
DECKR16	236
MOD1	237

	X	00000.	00004.	00011.	00000.	00003.	00007.	DECK16	238
	X	00000.	00001.	00003.	00000.	00000.	00000.	DECK16	239
240	X	00000.	34. 86907.	76. 41908.	00001.	24. 43497.	55. 19788.	DECK16	240
	X	00001.	12. 27811.	28. 20443.	00001.	00002.	00008.	DECK16	241
	X	00000.	76. 41661.	97. 98792.	00001.	60. 66981.	105. 76766.	DECK16	242
	X	00001.	34. 53378.	70. 04042.	00001.	00003.	00006.	DECK16	243
	X	00000.	99. 59429.	47. 44011.	00001.	93. 54768.	109. 43917.	DECK16	244
245	X	00001.	89. 80218.	108. 00003.	00002.	00001.	00008.	DECK16	245
	X	00000.	97. 90934.	8. 88494.	00001.	115. 83373.	75. 18411.	DECK16	246
	X	00002.	85. 74371.	133. 73245.	00002.	00004.	00009.	DECK16	247
	X	00000.	74. 78857.	0. 06445.	00001.	124. 53943.	32. 68285.	DECK16	248
	X	00002.	110. 18222.	142. 28082.	00002.	00008.	00010.	DECK16	249
250	X	00001.	84. 89782.	0. 01892.	00002.	136. 41232.	34. 87950.	DECK16	250
	X	00002.	120. 91670.	154. 17992.	00002.	00005.	00011.	DECK16	251
	X	00001.	90. 82263.	0. 05272.	00002.	147. 33218.	36. 37751.	DECK16	252
	X	00002.	130. 60021.	162. 32081.	00002.	00008.	00012.	DECK16	253
	X	00002.	97. 08327.	0. 05768.	00002.	157. 49702.	38. 09086.	DECK16	254
255	X	00002.	139. 61371.	173. 11491.	00003.	00006.	00013.	DECK16	255
	DATA (X110(JKL), JKL=109, 216)/							MOD1	14
	X	00002.	102. 26374.	0. 03295.	00002.	167. 03581.	19. 73036.	DECK16	257
	X	00003.	149. 07978.	181. 04007.	00003.	00004.	00013.	DECK16	258
	X	00002.	108. 62710.	0. 03897.	00002.	176. 07527.	41. 30513.	DECK16	259
260	X	00003.	154. 08494.	190. 17360.	00003.	00006.	00014.	DECK16	260
	X	00001.	112. 81857.	0. 03541.	00003.	184. 66582.	42. 82202.	DECK16	261
	X	00002.	162. 70310.	198. 15105.	00003.	00007.	00015.	DECK16	262
	X	00003.	118. 87478.	0. 03221.	00003.	192. 87263.	44. 28692.	DECK16	263
	X	00003.	170. 98059.	205. 82368.	00003.	00007.	00015.	DECK16	264
265	X	00003.	123. 72542.	0. 02929.	00003.	200. 75585.	45. 78590.	DECK16	265
	X	00003.	177. 96050.	213. 21802.	00003.	00007.	00016.	DECK16	266
	X	00002.	128. 39149.	0. 02641.	00003.	208. 32032.	47. 08031.	DECK16	267
	X	00003.	184. 67727.	220. 36515.	00004.	00007.	00017.	DECK16	268
	X	00003.	132. 82512.	0. 02512.	00003.	215. 62913.	48. 41657.	DECK16	269
270	X	00003.	191. 18792.	227. 38714.	00004.	00008.	00017.	DECK16	270
	X	00003.	334. 13759.	0. 04307.	00009.	542. 57358.	112. 04119.	DECK16	271
	X	00003.	481. 02019.	547. 30390.	00009.	00019.	00043.	DECK16	272
	X	000211. 783. 05828.	- 135263.	000211. 1238. 346. 252. 1769.				DECK16	273
	X	000212. 1097. 8828.	1240. 4204. 000212. 000438. 000997.					DECK16	274
275	DATA (X118(JKL), JKL=1, 108)/							MOD1	15
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	276
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	277
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	278
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	279
280	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	280
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	281
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	282
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	283
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	284
285	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	285
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	286
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	287
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	288
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	289
290	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	290
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	291
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	292
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK16	293
	DATA (X118(JKL), JKL=109, 216)/							MOD1	16
295	X	00000.	03949.	09861.	00000.	00116.	08475.	DECK16	295
	X	00000.	01186.	00765.	00000.	00000.	00000.	DECK16	296
	X	00000.	05324.	02287.	00000.	00394.	08737.	DECK16	297
	X	00000.	00663.	01196.	00000.	00000.	00000.	DECK16	298
	X	00000.	04713.	10122.	00000.	00905.	09005.	DECK16	299
300	X	00000.	00709.	01658.	00000.	00000.	00000.	DECK16	300
	X	00000.	05116.	10264.	00000.	01347.	09278.	DECK16	301
	X	00000.	00427.	02149.	00000.	00000.	00000.	DECK16	302
	X	00000.	05534.	10489.	00000.	01819.	09557.	DECK16	303
	X	00000.	00117.	02667.	00000.	00000.	00000.	DECK16	304
305	X	00000.	05267.	10558.	00000.	02312.	09440.	DECK16	305
	X	00000.	00217.	03212.	00000.	00000.	00000.	DECK16	306
	X	00000.	04415.	10708.	00000.	02846.	10128.	DECK16	307
	X	00000.	00575.	03782.	00000.	00000.	00000.	DECK16	308
	X	00000.	74263.	20231.	00000.	97255.	41799.	DECK16	309
310	X	00000.	71984.	1. 00002.	00000.	00000.	00000.	DECK16	310
	X	00000.	8. 57624.	43785.	00000.	12. 53594.	3. 40957.	DECK16	311
	X	00000.	9. 68597.	12. 60009.	00000.	00000.	00000.	DECK16	312
	DATA (X111(JKL), JKL=1, 108)/							MOD1	17
315	X	00000.	00004.	00011.	00000.	00003.	00007.	DECK16	314
	X	00000.	00001.	00003.	00000.	00000.	00000.	DECK16	315
	X	00000.	32. 41684.	63. 35880.	00001.	23. 60053.	50. 13319.	DECK16	316

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X 00000. 48 57739. 3 91656. 00001. 64 30502. 34 08774. DECK16 396
X 00001. 52 59159. 74 23996. 00002. 64 00003. 00008. DECK16 397
X 00000. 30 80037. 06286. 00001. 64 04038. 10 46116. DECK16 398
X 00002. 70 23811. 23 83288. 00002. 64 00004. 00008. DECK16 399
400 X 00000. 13 43775. 01932. 00001. 52 98408. 1 43006. DECK16 400
X 00002. 83 27869. 61 16840. 00002. 58 00004. 00010. DECK16 401
X 00001. 14 71225. 01444. 00002. 58 03413. 1 50916. DECK16 402
X 00002. 91 23272. 46 53129. 00002. 62 47903. 1 58439. DECK16 403
405 X 00001. 15 88524. 01033. 00002. 67 00005. 00012. DECK16 404
X 00002. 97 52865. 69 73525. 00002. 67 00005. 00012. DECK16 405
X 00002. 16 97785. 00677. 00002. 67 00280. 1 65624. DECK16 406
X 00002. 106 12882. 23 68613. 00001. 00006. 00013. DECK16 407
DATA (X12(JKL), JKL=109, 216)/
X 00002. 18 00375. 00362. 00002. 71 04413. 1 72513. DECK16 409
410 X 00003. 111 71636. 77 35925. 00003. 79 38551. 1 74190. DECK16 410
X 00002. 18 37580. 00000. 00003. 78 55917. 1 85533. DECK16 413
X 00003. 117 74757. 80 90219. 00003. 82 05052. 1 91713. DECK16 416
415 X 00002. 19 89798. 00177. 00003. 85 39913. 1 97701. DECK16 417
X 00003. 123 50355. 84 29642. 00003. 88 62153. 2 03513. DECK16 419
X 00003. 20 78038. 00311. 00003. 91 73069. 2 09165. DECK16 421
420 X 00003. 128 99412. 87 55949. 00003. 91 73069. 2 09165. DECK16 421
X 00003. 21 62698. 00631. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 134 26017. 90 70485. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 22 99162. 00835. 00003. 91 73069. 2 09165. DECK16 422
425 X 00003. 144 21691. 96 68948. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 144 21691. 96 68948. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
430 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
435 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
440 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
445 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
450 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
455 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
460 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
465 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
470 X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
X 00003. 23 22766. 01026. 00003. 91 73069. 2 09165. DECK16 422
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475      X 28648. 12994. 0.00000. 00000. 00000. 0.00000. DECK16 475
      X 41968. 08827. 0.00000. 48468. 13688. 0.00000. DECK16 476
      X 35230. 15272. 0.00000. 00000. 00000. 0.00000. DECK16 477
      X 28210. 04272. 0.00000. 00000. 00000. 0.00000. DECK16 478
      X 37122. 16951. 0.00000. 00000. 00000. 0.00000. DECK16 479
480      X 48240. 06510. 0.00000. 00962. 18114. 0.00000. DECK16 480
      X 38920. 16798. 0.00000. 00000. 00000. 0.00000. DECK16 481
      X 51118. 00000. 0.00000. 00000. 18288. 0.00000. DECK16 482
      X 40640. 17800. 0.00000. 00000. 00000. 0.00000. DECK16 483
      DATA (X16 (JKL=109.216)/, NOD1
485      X 53822. 07128. 0.00000. 55918. 16438. 0.00000. DECK16 485
      X 32248. 18188. 0.00000. 00000. 00000. 0.00000. DECK16 486
      X 84797. 07417. 0.00000. 00000. 17087. 0.00000. DECK16 487
      X 41280. 18849. 0.00000. 00000. 00000. 0.00000. DECK16 488
      X 58888. 07876. 0.00000. 00462. 17687. 0.00000. DECK16 489
490      X 35512. 13280. 0.00000. 00000. 00000. 0.00000. DECK16 490
      X 61212. 07968. 0.00000. 00000. 18237. 0.00000. DECK16 491
      X 46898. 20101. 0.00000. 00000. 00000. 0.00000. DECK16 492
      X 63193. 08228. 0.00000. 00479. 18300. 0.00000. DECK16 493
      X 58122. 08201. 0.00000. 00000. 00000. 0.00000. DECK16 494
495      X 68677. 08477. 0.00000. 00703. 19348. 0.00000. DECK16 495
      X 49727. 21281. 0.00000. 00000. 00000. 0.00000. DECK16 496
      X 67810. 08722. 0.00000. 48468. 19877. 0.00000. DECK16 497
      X 51088. 21852. 0.00000. 00000. 00000. 0.00000. DECK16 498
      X 1 58094. 20138. 0.00000. 1 00000. 00000. 0.00000. DECK16 499
500      X 1 16420. 48288. 0.00000. 3 00000. 0.00000. DECK16 500
      X 1 74879. 48797. 0.00000. 3 62742. 1 01939. 0.00000. DECK16 501
      X 2 61220. 10431. 0.00000. 00000. 00000. 0.00000. DECK16 502
      DATA (X17 (JKL=1.108)/, NOD1
505      X 00002. 00001. 0.00000. 00001. 00001. 0.00000. DECK16 504
      X 00001. 00000. 0.00000. 00000. 00000. 0.00000. DECK16 505
      X 17288. 07749. 0.00000. 12683. 28222. 0.00000. DECK16 506
510      X 06887. 03177. 0.00000. 00000. 00000. 0.00000. DECK16 507
      X 26643. 09404. 0.00000. 22508. 09463. 0.00000. DECK16 508
      X 11760. 06493. 0.00000. 00000. 00000. 0.00000. DECK16 509
      X 28831. 06228. 0.00000. 28862. 18118. 0.00000. DECK16 510
515      X 20173. 09822. 0.00000. 00000. 00000. 0.00000. DECK16 511
      X 10384. 03728. 0.00000. 00000. 88724. 0.00000. DECK16 512
      X 25861. 10798. 0.00000. 00000. 00000. 0.00000. DECK16 513
      X 18228. 01601. 0.00000. 00000. 00438. 0.00000. DECK16 514
515      X 10699. 11768. 0.00000. 00000. 00000. 0.00000. DECK16 515
      X 32901. 01702. 0.00000. 16744. 06794. 0.00000. DECK16 516
      X 32387. 12367. 0.00000. 00000. 00000. 0.00000. DECK16 517
      X 16201. 01728. 0.00000. 18403. 07131. 0.00000. DECK16 518
520      X 13934. 12941. 0.00000. 00000. 00000. 0.00000. DECK16 519
      X 17388. 01884. 0.00000. 40362. 07482. 0.00000. DECK16 520
      X 35441. 13490. 0.00000. 00000. 00000. 0.00000. DECK16 521
      DATA (X17 (JKL=182.216)/, NOD1
525      X 39397. 01968. 0.00000. 42219. 07768. 0.00000. DECK16 523
      X 36886. 14018. 0.00000. 00000. 00000. 0.00000. DECK16 524
      X 41338. 02049. 0.00000. 44003. 08067. 0.00000. DECK16 525
530      X 38277. 13527. 0.00000. 00000. 00000. 0.00000. DECK16 526
      X 43188. 02127. 0.00000. 48717. 08343. 0.00000. DECK16 527
      X 39619. 18018. 0.00000. 00000. 00000. 0.00000. DECK16 528
      X 44960. 02202. 0.00000. 47369. 08619. 0.00000. DECK16 529
535      X 40917. 18429. 0.00000. 00000. 00000. 0.00000. DECK16 530
      X 46888. 02278. 0.00000. 48968. 08887. 0.00000. DECK16 531
      X 42178. 18968. 0.00000. 00000. 00000. 0.00000. DECK16 532
      X 48312. 02346. 0.00000. 60510. 09147. 0.00000. DECK16 533
540      X 31376. 16408. 0.00000. 00000. 00000. 0.00000. DECK16 534
      X 49904. 02414. 0.00000. 52018. 09399. 0.00000. DECK16 535
      X 44584. 16841. 0.00000. 00000. 00000. 0.00000. DECK16 536
545      X 1 22436. 08447. 0.00000. 1 22470. 21623. 0.00000. DECK16 537
      X 1 01728. 38015. 0.00000. 00000. 00000. 0.00000. DECK16 538
      X 2 79383. 13738. 0.00000. 2 76521. 48388. 0.00000. DECK16 539
550      X 2 28389. 88163. 0.00000. 00000. 00000. 0.00000. DECK16 540
      DATA (X16 (JKL=1.108)/, NOD1
      X 0 00000. 00001. 00002. 0.00000. 00001. 00001. DECK16 541
      X 0 00000. 00000. 00001. 00000. 00000. 00000. DECK16 542
545      X 0 00000. 09733. 18487. 0.00000. 06780. 13178. DECK16 543
      X 0 00000. 03528. 06982. 0.00000. 00000. 00000. DECK16 544
      X 0 00000. 18486. 31764. 0.00000. 13561. 24946. DECK16 545
550      X 0 00000. 07370. 14296. 0.00000. 00000. 00000. DECK16 546
      X 0 00000. 25884. 39042. 0.00000. 20108. 34376. DECK16 547
      X 0 00000. 11439. 21403. 0.00000. 00000. 00000. DECK16 548
      X 0 00000. 31763. 41616. 0.00000. 26238. 41157. DECK16 549
      X 0 00000. 15662. 28648. 0.00000. 00000. 00000. DECK16 550
      X 0 00000. 36110. 41955. 0.00000. 31828. 45468. DECK16 551
      X 0 00000. 19972. 35230. 0.00000. 00000. 00000. DECK16 552

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555

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X 0.00000. 39014. 45219. 0.00000. 33911. 48294. DECK16 554
X 0.00000. 21085. 37122. 0.00000. 00000. 00000. DECK16 555
X 0.00000. 41715. 48260. 0.00000. 35873. 50962. DECK16 556
X 0.00000. 21142. 18822. 0.00000. 00000. 00000. DECK16 557
X 0.00000. 44260. 51118. 0.00000. 37732. 53497. DECK16 558
X 0.00000. 23150. 40642. 0.00000. 00000. 00000. DECK16 559

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560

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DATA (X16 (JKL), JKL=109, 216)/
X 0.00000. 46447. 51822. 0.00000. 39604. 55915. DECK16 561
X 0.00000. 24117. 42292. 0.00000. 00000. 00000. DECK16 562
X 0.00000. 48926. 56197. 0.00000. 41200. 58234. DECK16 563
X 0.00000. 25046. 43880. 0.00000. 00000. 00000. DECK16 564
X 0.00000. 51101. 58858. 0.00000. 52828. 60962. DECK16 565

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565

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X 0.00000. 28942. 45412. 0.00000. 00000. 00000. DECK16 566
X 0.00000. 53191. 61219. 0.00000. 44397. 62612. DECK16 567
X 0.00000. 26808. 46896. 0.00000. 00000. 00000. DECK16 568
X 0.00000. 54193. 61931. 0.00000. 55512. 63690. DECK16 569
X 0.00000. 27647. 48332. 0.00000. 00000. 00000. DECK16 570

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570

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X 0.00000. 57137. 65467. 0.00000. 47379. 66702. DECK16 571
X 0.00000. 28461. 49727. 0.00000. 00000. 00000. DECK16 572
X 0.00000. 53012. 67810. 0.00000. 38802. 68656. DECK16 573
X 0.00000. 29243. 51094. 0.00000. 00000. 00000. DECK16 574
X 0.00000. 1. 44835. 1. 65096. 1. 15437. 1. 60811. DECK16 575

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575

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X 0.00000. 67158. 1. 16420. 0.00000. 00000. DECK16 576
X 0.00000. 3. 28518. 1. 79872. 2. 60859. 3. 62742. DECK16 577
X 0.00000. 1. 50930. 2. 61290. 0.00000. 00000. DECK16 578
DATA (X15 (JKL), JKL=1, 108)/

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580

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X 0.00000. 00001. 00002. 0.00000. 00001. 00001. DECK16 580
X 0.00000. 00000. 00001. 0.00000. 00000. 00000. DECK16 581
X 0.00000. 09493. 17256. 0.00000. 06687. 12684. DECK16 582
X 0.00000. 03510. 06887. 0.00000. 00000. 00000. DECK16 583
X 0.00000. 17255. 24643. 0.00000. 13052. 22505. DECK16 584

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585

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X 0.00000. 07270. 11760. 0.00000. 00000. 00000. DECK16 585
X 0.00000. 22928. 39641. 0.00000. 18771. 30865. DECK16 586
X 0.00000. 11157. 20173. 0.00000. 00000. 00000. DECK16 587
X 0.00000. 26643. 30384. 0.00000. 23674. 32389. DECK16 588
X 0.00000. 15077. 25261. 0.00000. 00000. 00000. DECK16 589

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590

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X 0.00000. 28787. 30425. 0.00000. 27719. 34161. DECK16 590
X 0.00000. 18948. 30699. 0.00000. 00000. 00000. DECK16 591
X 0.00000. 31153. 32901. 0.00000. 29542. 36344. DECK16 592
X 0.00000. 20005. 32357. 0.00000. 00000. 00000. DECK16 593
X 0.00000. 33351. 36301. 0.00000. 31262. 38403. DECK16 594

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595

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X 0.00000. 21009. 33934. 0.00000. 00000. 00000. DECK16 595
X 0.00000. 35412. 37358. 0.00000. 32892. 40357. DECK16 596
X 0.00000. 21267. 35441. 0.00000. 00000. 00000. DECK16 597
DATA (X15 (JKL), JKL=109, 216)/

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600

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X 0.00000. 37358. 39397. 0.00000. 34444. 42219. DECK16 598
X 0.00000. 22885. 36886. 0.00000. 00000. 00000. DECK16 599
X 0.00000. 22408. 41335. 0.00000. 35930. 44803. DECK16 600
X 0.00000. 21767. 38277. 0.00000. 00000. 00000. DECK16 601
X 0.00000. 40974. 43186. 0.00000. 37384. 46717. DECK16 602

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605

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X 0.00000. 24618. 39619. 0.00000. 00000. 00000. DECK16 603
X 0.00000. 32667. 44260. 0.00000. 38730. 57362. DECK16 604
X 0.00000. 28440. 40917. 0.00000. 00000. 00000. DECK16 605
X 0.00000. 44295. 44446. 0.00000. 40057. 48945. DECK16 606
X 0.00000. 26237. 42175. 0.00000. 00000. 00000. DECK16 607

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610

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X 0.00000. 48845. 48112. 0.00000. 41351. 50510. DECK16 608
X 0.00000. 27010. 43396. 0.00000. 00000. 00000. DECK16 609
X 0.00000. 47383. 49904. 0.00000. 42586. 52010. DECK16 610
X 0.00000. 27762. 44584. 0.00000. 00000. 00000. DECK16 611
X 0.00000. 1. 16474. 1. 22436. 1. 00865. 1. 22470. DECK16 612

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615

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X 0.00000. 63749. 2. 01724. 0.00000. 00000. DECK16 613
X 0.00000. 2. 64891. 2. 78363. 2. 27978. 2. 76521. DECK16 614
X 0.00000. 1. 43281. 2. 28359. 0.00000. 00000. DECK16 615
DATA (X16 (JKL), JKL=1, 108)/

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620

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X -1.99999. -1.99999. -2.00000. -1.99999. -2.00000. -2.00001. DECK16 616
X -2.00001. -2.00001. -2.00001. -2.00002. -2.00002. -2.00002. DECK16 617
X -1.46760. -1.84843. -1.62468. -1.73037. -1.79093. -1.84581. DECK16 618
X -1.78288. -2.01516. -2.05436. -2.19291. -2.19291. -2.19291. DECK16 619
X -1.78880. -1.91988. -2.02284. -2.11122. -2.11122. -2.11122. DECK16 620

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625

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X -1.88751. -1.94303. -1.99173. -2.36645. -2.36645. -2.36645. DECK16 621
X -1.14900. -1.36575. -1.65834. -1.99771. -1.99771. -1.99771. DECK16 622
X -1.73381. -1.81041. -1.87506. -2.52983. -2.52983. -2.52983. DECK16 623
X -2.0555. -2.02299. -1.99708. -2.41431. -2.41431. -2.41431. DECK16 624
X -1.53932. -1.61347. -1.70854. -2.68329. -2.68329. -2.68329. DECK16 625

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630

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X -1.31437. -1.03644. -0.00000. -2.66354. -2.66354. -2.66354. DECK16 626
X -1.31720. -1.42650. -1.50634. -2.82844. -2.82844. -2.82844. DECK16 627
X -28731. -0.3444. -0.00000. -2.84009. -2.84009. -2.84009. DECK16 628
X -1.40169. -1.50391. -1.57986. -2.96649. -2.96649. -2.96649. DECK16 629
X -26526. 0.3275. -0.00000. -1.30666. -1.30666. -1.30666. DECK16 630

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635

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X -26526. 0.3275. -0.00000. -1.30666. -1.30666. -1.30666. DECK16 631
X -26526. 0.3275. -0.00000. -1.30666. -1.30666. -1.30666. DECK16 632

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635 X -1. 48080. -1. 87781. -1. 65011. -3. 09839. -3. 09839. -3. 09839. DECK16 633
X -1. 28677. -1. 03129. -1. 00000. -1. 15923. -1. 22161. -1. 18696. DECK16 634
X -1. 65696. -1. 64787. -1. 71749. -3. 22491. -3. 22491. -3. 22491. DECK16 635
DATA (X114(JKL), JKL=109, 216)/
X -1. 23094. -1. 03001. -1. 00000. -1. 18558. -1. 33863. -1. 40156. DECK16 637
X -1. 62765. -1. 71813. -1. 78232. -3. 34664. -3. 34664. -3. 34664. DECK16 638
X -1. 21716. -1. 02891. -1. 00000. -1. 21002. -1. 38505. -1. 41565. DECK16 639
640 X -1. 63414. -1. 78828. -1. 88388. -3. 86811. -3. 86811. -3. 86811. DECK16 640
X -1. 20499. -1. 02792. -1. 00000. -1. 33291. -1. 43928. -1. 43928. DECK16 641
X -1. 76240. -1. 84284. -1. 98838. -3. 87771. -3. 87771. -3. 87771. DECK16 642
X -1. 19412. -1. 02301. -1. 00000. -1. 25511. -1. 38989. -1. 44249. DECK16 643
X -1. 82603. -1. 03621. -1. 00000. -1. 27454. -1. 48041. -1. 48041. DECK16 644
645 X -1. 18633. -1. 03621. -1. 00000. -1. 27454. -1. 48041. -1. 48041. DECK16 645
X -1. 88761. -1. 96211. -2. 02094. -3. 79473. -3. 79473. -3. 79473. DECK16 646
X -1. 75413. -1. 02650. -1. 00000. -1. 29442. -1. 41444. -1. 46780. DECK16 647
X -1. 27221. -2. 01912. -2. 07633. -3. 89872. -1. 89872. -1. 89872. DECK16 648
X -1. 16738. -1. 02488. -1. 00000. -1. 31100. -1. 42807. -1. 47996. DECK16 649
650 X -2. 00505. -2. 07455. -2. 13028. -4. 00000. -4. 00000. -4. 00000. DECK16 650
X -1. 01774. -1. 01237. -1. 00000. -1. 06237. -1. 05130. -1. 07320. DECK16 651
X -3. 23882. -3. 21800. -3. 24388. -8. 85327. -8. 85327. -8. 85327. DECK16 652
Y -1. 19803. -1. 00928. -1. 00000. -8. 80199. -8. 19182. -8. 19976. DECK16 653
655 X -10. 67070. -10. 64103. -10. 65140. -20. 00000. -20. 00000. -20. 00000. DECK16 654
DATA (X124(JKL), JKL=1
X -1. 00000. -1. 00000. -1. 00000. -1. 00000. -1. 00000. -1. 00000. DECK16 655
X -1. 00001. -1. 00001. -1. 00001. -1. 00001. -1. 00001. -1. 00001. DECK16 656
X -1. 78983. -1. 79393. -1. 81234. -1. 91803. -1. 91754. -1. 92291. DECK16 658
660 X -1. 02449. -1. 02276. -1. 02210. -1. 09545. -1. 09545. -1. 09545. DECK16 659
X -1. 37294. -1. 32052. -1. 31192. -1. 71787. -1. 71863. -1. 75338. DECK16 660
X -1. 00110. -1. 99444. -1. 99444. -1. 18322. -1. 18322. -1. 18322. DECK16 661
X -1. 02391. -1. 03617. -1. 22917. -1. 44640. -1. 44640. -1. 44640. DECK16 662
X -1. 93840. -1. 92811. -1. 93803. -1. 26492. -1. 26492. -1. 26492. DECK16 663
665 X -1. 32736. -1. 21614. -1. 04855. -1. 15921. -1. 17432. -1. 18152. DECK16 664
X -1. 84183. -1. 81914. -1. 83657. -1. 34183. -1. 34183. -1. 34183. DECK16 665
X -1. 41806. -1. 23859. -1. 00000. -1. 12289. -1. 06988. -1. 16969. DECK16 666
X -1. 71629. -1. 69921. -1. 76317. -1. 41422. -1. 41422. -1. 41422. DECK16 667
X -1. 51828. -1. 25038. -1. 00000. -1. 11262. -1. 07026. -1. 17297. DECK16 668
X -1. 76181. -1. 73723. -1. 78993. -1. 48324. -1. 48324. -1. 48324. DECK16 669
670 X -1. 42171. -1. 26160. -1. 00000. -1. 10398. -1. 07077. -1. 18588. DECK16 670
X -1. 80422. -1. 77339. -1. 82504. -1. 54920. -1. 54920. -1. 54920. DECK16 671
X -1. 32862. -1. 27232. -1. 00000. -1. 02450. -1. 07138. -1. 19347. DECK16 672
X -1. 86674. -1. 80714. -1. 86874. -1. 61245. -1. 61245. -1. 61245. DECK16 673
DATA (X124(JKL), JKL=109, 216)/
675 X -1. 43032. -1. 28279. -1. 00000. -1. 08970. -1. 07206. -1. 20078. DECK16 674
X -1. 84381. -1. 83187. -1. 82116. -1. 67332. -1. 67332. -1. 67332. DECK16 675
X -1. 43887. -1. 29282. -1. 00000. -1. 08971. -1. 07206. -1. 20078. DECK16 676
X -1. 92042. -1. 87294. -1. 92244. -1. 73205. -1. 73205. -1. 73205. DECK16 679
680 X -1. 40120. -1. 30253. -1. 00000. -1. 07431. -1. 07358. -1. 21464. DECK16 680
X -1. 86410. -1. 70382. -1. 78262. -1. 78886. -1. 78886. -1. 78886. DECK16 681
X -1. 44710. -1. 31193. -1. 00000. -1. 07338. -1. 07439. -1. 22125. DECK16 682
X -1. 99070. -1. 93343. -1. 98201. -1. 84391. -1. 84391. -1. 84391. DECK16 683
X -1. 46318. -1. 32107. -1. 00000. -1. 06887. -1. 07522. -1. 22766. DECK16 684
685 X -1. 02335. -1. 24225. -1. 01048. -1. 89737. -1. 89737. -1. 89737. DECK16 685
X -1. 45939. -1. 38996. -1. 00000. -1. 06470. -1. 07607. -1. 23390. DECK16 686
X -1. 05616. -1. 99023. -1. 03817. -1. 94936. -1. 94936. -1. 94936. DECK16 687
X -1. 46568. -1. 33861. -1. 00000. -1. 06083. -1. 07693. -1. 23998. DECK16 688
X -1. 08742. -1. 01745. -1. 06515. -2. 00000. -2. 00000. -2. 00000. DECK16 689
690 X -1. 86965. -1. 76044. -1. 00000. -1. 04279. -1. 13606. -1. 51660. DECK16 690
X -2. 55884. -2. 32522. -2. 38173. -4. 47214. -4. 47214. -4. 47214. DECK16 691
X -1. 87601. -1. 70209. -1. 00000. -1. 17119. -1. 28595. -1. 19988. DECK16 692
X -5. 77739. -5. 22152. -5. 32570. -10. 00000. -10. 00000. -10. 00000. DECK16 693
DATA (X114(JKL), JKL=1
695 X -1. 99999. -1. 99999. -2. 00000. -1. 99999. -2. 00000. -2. 00001. DECK16 694
X -2. 00001. -2. 00001. -2. 00001. -2. 00002. -2. 00002. -2. 00002. DECK16 695
X -1. 19288. -1. 27939. -1. 34701. -1. 56001. -1. 61899. -1. 67043. DECK16 697
X -1. 91631. -1. 94604. -1. 97488. -2. 19891. -2. 19891. -2. 19891. DECK16 698
X -1. 35182. -1. 49769. -1. 67076. -1. 94698. -1. 04916. -1. 12033. DECK16 699
700 X -1. 70329. -1. 75679. -1. 80431. -2. 36645. -2. 36645. -2. 36645. DECK16 700
X -1. 02883. -1. 08202. -1. 13130. -2. 51038. -2. 51038. -2. 51038. DECK16 701
X -1. 42505. -1. 49721. -1. 55446. -2. 82983. -2. 82983. -2. 82983. DECK16 702
X -1. 21472. -1. 01761. -1. 00785. -2. 05166. -2. 20134. -2. 25463. DECK16 703
X -1. 12163. -1. 20802. -1. 27037. -2. 68329. -2. 68329. -2. 68329. DECK16 704
X -1. 21058. -1. 01144. -1. 00000. -2. 12388. -2. 03801. -2. 07052. DECK16 705
705 X -1. 82430. -1. 92097. -1. 96248. -2. 82844. -2. 82844. -2. 82844. DECK16 706
X -1. 18671. -1. 01096. -1. 00000. -2. 10465. -2. 03932. -2. 07396. DECK16 707
X -1. 88171. -1. 97193. -1. 03043. -2. 96649. -2. 96649. -2. 96649. DECK16 708
X -1. 16702. -1. 01056. -1. 00000. -2. 08793. -2. 04422. -2. 07725. DECK16 709
710 X -1. 93672. -1. 02016. -1. 07624. -3. 09839. -3. 09839. -3. 09839. DECK16 710
X -1. 15049. -1. 01023. -1. 00000. -3. 07312. -3. 04877. -3. 08040. DECK16 711
X -1. 98686. -1. 06660. -1. 12020. -3. 22491. -3. 22491. -3. 22491. DECK16 712
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X 00000 21015 21714 00000 15916 20562 DECK16 792
X 00000 08871 14852 00000 00000 00000 DECK16 793
X 00000 20001 20497 00000 18284 18411 DECK16 794
X 00000 08852 18282 00000 00000 00000 DECK16 795
795 X 00000 19107 19410 00000 14661 18798 DECK16 796
X 00000 08254 13794 00000 00000 00000 DECK16 797
X 00000 18105 18411 00000 14124 18011 DECK16 798
X 00000 07384 13116 00000 00000 00000 DECK16 799
800 X 00000 17841 17841 00000 13116 17116 DECK16 800
X 00000 07742 12912 00000 00000 00000 DECK16 801
X 00000 16726 16726 00000 13190 16494 DECK16 802
X 00000 07514 12522 00000 00000 00000 DECK16 803
X 00000 01708 01779 00000 01922 01089 DECK16 804
805 X 00000 02722 03855 00000 00000 00000 DECK16 805
X 00000 05407 19814 00000 01922 10232 DECK16 806
X 00000 00016 01325 00000 00000 00000 DECK16 807
DATA (X123(JKL), JKL=1, 108)/
X 00000 00000 00000 00000 00000 00000 MOD1 808
X 00000 00000 00000 00000 00000 00000 DECK16 809
810 X 00000 00000 00000 00000 00000 00000 DECK16 810
X 00000 00000 00000 00000 00000 00000 DECK16 811
X 00000 00174 00231 00000 00000 00000 DECK16 812
X 00000 02250 11348 00000 00167 03551 DECK16 813
X 00000 00569 00423 00000 00000 00000 DECK16 814
815 X 00000 05324 25108 00000 01015 10015 DECK16 815
X 00000 01033 00017 00000 00000 00000 DECK16 816
X 00000 11347 37590 00000 02714 19238 DECK16 817
X 00000 01449 01274 00000 00000 00000 DECK16 818
X 00000 18032 31806 00000 05141 29258 DECK16 819
820 X 00000 01722 03688 00000 00000 00000 DECK16 820
X 00000 16984 41898 00000 04311 29867 DECK16 821
X 00000 02442 02842 00000 00000 00000 DECK16 822
X 00000 16152 42171 00000 03134 28287 DECK16 823
X 00000 03097 02084 00000 00000 00000 DECK16 824
825 X 00000 15479 42562 00000 02580 28987 DECK16 825
X 00000 03700 01396 00000 00000 00000 DECK16 826
DATA (X123(JKL), JKL=109, 216)/
X 00000 14928 43032 00000 01847 29848 DECK16 828
X 00000 04260 00765 00000 00000 00000 DECK16 829
830 X 00000 14459 43557 00000 01180 29154 DECK16 830
X 00000 04785 00182 00000 00000 00000 DECK16 831
X 00000 14044 44120 00000 00544 29195 DECK16 832
X 00000 05277 00361 00000 00000 00000 DECK16 833
X 00000 13724 44710 00000 00003 29443 DECK16 834
835 X 00000 05744 00869 00000 00000 00000 DECK16 835
X 00000 13429 45318 00000 00534 29653 DECK16 836
X 00000 06187 01347 00000 00000 00000 DECK16 837
X 00000 13171 45939 00000 01032 29860 DECK16 838
X 00000 06610 01799 00000 00000 00000 DECK16 839
840 X 00000 12944 46568 00000 01501 30080 DECK16 840
X 00000 07015 02228 00000 00000 00000 DECK16 841
X 00000 11545 86955 00000 17511 49381 DECK16 842
X 00000 21400 17711 00000 00000 00000 DECK16 843
X 00000 18851 87601 00000 45089 02869 DECK16 844
845 X 00000 55672 45169 00000 00000 00000 DECK16 845
DATA (X113(JKL), JKL=1, 108)/
X 00000 00001 00002 00000 00001 00001 DECK16 847
X 00000 00000 00001 00000 00000 00000 DECK16 848
850 X 00000 08917 15412 00000 04006 11002 DECK16 849
X 00000 03025 05827 00000 00000 00000 DECK16 850
X 00000 15412 21823 00000 10677 17335 DECK16 851
X 00000 05510 10102 00000 00000 00000 DECK16 852
X 00000 19589 23012 00000 14090 19980 DECK16 853
855 X 00000 07538 13041 00000 00000 00000 DECK16 854
X 00000 21822 22256 00000 16399 20295 DECK16 855
X 00000 09172 14873 00000 00000 00000 DECK16 856
X 00000 22842 21055 00000 17764 19438 DECK16 857
X 00000 10461 15817 00000 00000 00000 DECK16 858
X 00000 20807 18667 00000 16535 17852 DECK16 859
860 X 00000 09863 14871 00000 00000 00000 DECK16 860
X 00000 19149 16706 00000 15485 16516 DECK16 861
X 00000 09349 14052 00000 00000 00000 DECK16 862
X 00000 17765 15046 00000 14586 15350 DECK16 863
X 00000 08900 13332 00000 00000 00000 DECK16 864
DATA (X113(JKL), JKL=109, 216)/
865 X 00000 16586 13610 00000 13802 14325 DECK16 865
X 00000 08503 12693 00000 00000 00000 DECK16 866
X 00000 15563 12347 00000 13111 13410 DECK16 867
X 00000 08150 12119 00000 00000 00000 DECK16 868
X 00000 14663 11221 00000 12494 12587 DECK16 869

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870      X      00000. 07831. 11599. 00000. 00000. 00000. DECK16 871
      X      00000. 13861. 10205. 00000. 11940. 11839. DECK16 872
      X      00000. 07543. 11126. 00000. 00000. 00000. DECK16 873
      X      00000. 13140. 08281. 00000. 11837. 11164. DECK16 874
      X      00000. 07279. 10692. 00000. 00000. 00000. DECK16 875
      X      00000. 12486. 08432. 00000. 10977. 10523. DECK16 876
      X      00000. 07037. 10292. 00000. 00000. 00000. DECK16 877
      X      00000. 12839. 07448. 00000. 10655. 09919. DECK16 878
      X      00000. 04814. 09921. 00000. 00000. 00000. DECK16 879
      X      00000. 01559. 13446. 00000. 01045. 05302. DECK16 880
      X      00000. 01836. 00946. 00000. 00000. 00000. DECK16 881
      X      00000. 14232. 02862. 00000. 02081. 23931. DECK16 882
      X      00000. 01701. 07101. 00000. 00000. 00000. DECK16 883
      DATA (X121(JKL), JKL=1
      X      00000. 00000. 00000. 00000. 00000. 00000. DECK16 884
      X      00000. 00000. 00000. 00000. 00000. 00000. DECK16 885
      X      00000. 00746. 03800. 00000. 00089. 01180. DECK16 886
      X      00000. 00148. 00088. 00000. 00000. 00000. DECK16 887
      X      00000. 03800. 15238. 00000. 00891. 04387. DECK16 888
      X      00000. 00311. 00152. 00000. 00000. 00000. DECK16 889
      X      00000. 08994. 05826. 00000. 02782. 16532. DECK16 890
      X      00000. 00597. 01928. 00000. 00000. 00000. DECK16 891
      X      00000. 15237. 29950. 00000. 05780. 22544. DECK16 892
      X      00000. 00358. 04762. 00000. 00000. 00000. DECK16 893
      X      00000. 21191. 30318. 00000. 09444. 27922. DECK16 894
      X      00000. 00199. 08669. 00000. 00000. 00000. DECK16 895
      X      00000. 20786. 30380. 00000. 09024. 28087. DECK16 896
      X      00000. 00805. 08209. 00000. 00000. 00000. DECK16 897
      X      00000. 20442. 10597. 00000. 08805. 28325. DECK16 898
      X      00000. 01353. 07802. 00000. 00000. 00000. DECK16 899
      X      00000. 20408. 30886. 00000. 08063. 28613. DECK16 900
      X      00000. 01855. 07452. 00000. 00000. 00000. DECK16 901
      DATA (X121(JKL), JKL=109.21677
      X      00000. 20351. 31245. 00000. 07680. 28936. DECK16 902
      X      00000. 02320. 07142. 00000. 00000. 00000. DECK16 903
      X      00000. 20350. 31636. 00000. 07344. 29284. DECK16 904
      X      00000. 02762. 06865. 00000. 00000. 00000. DECK16 905
      X      00000. 20390. 32075. 00000. 07046. 29650. DECK16 906
      X      00000. 03157. 04616. 00000. 00000. 00000. DECK16 907
      X      00000. 20463. 32523. 00000. 06773. 30029. DECK16 908
      X      00000. 03340. 05190. 00000. 00000. 00000. DECK16 909
      X      00000. 20559. 32985. 00000. 06538. 30417. DECK16 910
      X      00000. 03902. 04184. 00000. 00000. 00000. DECK16 911
      X      00000. 20675. 33456. 00000. 06319. 30811. DECK16 912
      X      00000. 04247. 04935. 00000. 00000. 00000. DECK16 913
      X      00000. 20806. 33932. 00000. 06119. 31209. DECK16 914
      X      00000. 04576. 05820. 00000. 00000. 00000. DECK16 915
      X      00000. 33282. 04108. 00000. 02065. 31624. DECK16 916
      X      00000. 17856. 02037. 00000. 00000. 00000. DECK16 917
      X      00000. 71829. 1.38743. 00000. 00233. 1.21905. DECK16 918
      X      00000. 42167. 00237. 00000. 00000. 00000. DECK16 919
      I=1111
      1 IF(SP2-XN(1)) 2,3,4 DECK16 920
      2 IF(I.EQ.1) GO TO 3 DECK16 921
      I=I-1 DECK16 922
      GO TO 1 DECK16 923
      4 IF(I.EQ.18) GO TO 3 DECK16 924
      IF(SP2-XN(I+1)) 5,6,7 DECK16 925
      7 I=I+1 DECK16 926
      GO TO 4 DECK16 927
      6 M=I+1 DECK16 928
      GO TO 8 DECK16 929
      3 M=I DECK16 930
      GO TO 8 DECK16 931
      5 XN=(SP2-XN(I))/2(XN(I+Y)-XN(I)) DECK16 932
      JMIN = (I-1)/2+1 DECK16 933
      JMIN=JMIN+12 DECK16 934
      PX=P3 DECK16 935
      PRIN=SP2-1 DECK16 936
      PRIN=SP2-5 DECK16 937
      IF(PMAX.LE.0.) PMAX = .000001 DECK16 938
      IF(PMIN.LE.0.) PMIN=0.0 DECK16 939
      DEL=(PMAX-PRIN)/3 DECK16 940
      IF(PX.LT.PMIN) PX = PMIN DECK16 941
      KT=0 DECK16 942
      224 IF(PX-(PMIN+DEL*KT)) 225,226,227 DECK16 943
      227 IF(KT.EQ.3) GO TO 226 DECK16 944
      KT=KT+1 DECK16 945
      GO TO 224 DECK16 946
      225

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DECK16

951

DECK16	982
DECK16	983
DECK16	984
MOD1	3
DECK16	985
DECK16	986
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DECK16	999
MOD1	42
DECK16	983
DECK16	985
DECK16	986
DECK16	987
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DECK16	1019
DECK16	1020
DECK16	1021
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DECK16	1024
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DECK16	1027
DECK16	1028
DECK16	1029

1030	1+D28X118(KS1)+D48X118(KS1A)+D68X118(KKP1)+D88X118(KKP1A) TJ3083=D98X119(KS)+D108X119(KS1A)+D118X119(KKP1)+D128X119(KKP1A) 1+D28X119(KS1)+D48X119(KS1A)+D68X119(KKP1)+D88X119(KKP1A) TJ3084=D98X120(KS)+D108X120(KS1A)+D118X120(KKP1)+D128X120(KKP1A) 1+D28X120(KS1)+D48X120(KS1A)+D68X120(KKP1)+D88X120(KKP1A) TJ310=D98X121(KS)+D108X121(KS1A)+D118X121(KKP1)+D128X121(KKP1A) 1+D28X121(KS1)+D48X121(KS1A)+D68X121(KKP1)+D88X121(KKP1A) TJ312=D98X122(KS)+D108X122(KS1A)+D118X122(KKP1)+D128X122(KKP1A) 1+D28X122(KS1)+D48X122(KS1A)+D68X122(KKP1)+D88X122(KKP1A) TJ316=D98X123(KS)+D108X123(KS1A)+D118X123(KKP1)+D128X123(KKP1A) 1+D28X123(KS1)+D48X123(KS1A)+D68X123(KKP1)+D88X123(KKP1A) TJ318=D98X124(KS)+D108X124(KS1A)+D118X124(KKP1)+D128X124(KKP1A) 1+D28X124(KS1)+D48X124(KS1A)+D68X124(KKP1)+D88X124(KKP1A) TJ3091=TJ3091-TJ301 TJ3092=TJ3092-TJ302 TJ3093=TJ3093-TJ303 TJ3094=TJ3094-TJ304 TJ310=TJ310-TJ311 TJ320=TJ320-TJ32 TJ350=TJ350-TJ35 TJ360=TJ360-TJ36 111Y=1 RETURN D1=1-XN-XN+XN8XN D2=XN-XN8XN D3=XN-XN8XN D4=XN8XN TJ301=D18X11(KS)+D28X11(KKP)+D38X11(KS1)+D48X11(KKP1) TJ302=D18X12(KS)+D28X12(KKP)+D38X12(KS1)+D48X12(KKP1) TJ303=D18X13(KS)+D28X13(KKP)+D38X13(KS1)+D48X13(KKP1) TJ304=D18X14(KS)+D28X14(KKP)+D38X14(KS1)+D48X14(KKP1) TJ311=D18X15(KS)+D28X15(KKP)+D38X15(KS1)+D48X15(KKP1) TJ312=D18X16(KS)+D28X16(KKP)+D38X16(KS1)+D48X16(KKP1) TJ315=D18X17(KS)+D28X17(KKP)+D38X17(KS1)+D48X17(KKP1) TJ316=D18X18(KS)+D28X18(KKP)+D38X18(KS1)+D48X18(KKP1) TJ3091=D18X19(KS)+D28X19(KKP)+D38X19(KS1)+D48X19(KKP1) TJ3092=D18X10(KS)+D28X10(KKP)+D38X10(KS1)+D48X10(KKP1) TJ3093=D18X11(KS)+D28X11(KKP)+D38X11(KS1)+D48X11(KKP1) TJ3094=D18X12(KS)+D28X12(KKP)+D38X12(KS1)+D48X12(KKP1) TJ310=D18X13(KS)+D28X13(KKP)+D38X13(KS1)+D48X13(KKP1) TJ311=D18X14(KS)+D28X14(KKP)+D38X14(KS1)+D48X14(KKP1) TJ312=D18X15(KS)+D28X15(KKP)+D38X15(KS1)+D48X15(KKP1) TJ316=D18X16(KS)+D28X16(KKP)+D38X16(KS1)+D48X16(KKP1) TJ3091=D18X17(KS)+D28X17(KKP)+D38X17(KS1)+D48X17(KKP1) TJ3092=D18X18(KS)+D28X18(KKP)+D38X18(KS1)+D48X18(KKP1) TJ3093=D18X19(KS)+D28X19(KKP)+D38X19(KS1)+D48X19(KKP1) TJ3094=D18X20(KS)+D28X20(KKP)+D38X20(KS1)+D48X20(KKP1) TJ310=D18X21(KS)+D28X21(KKP)+D38X21(KS1)+D48X21(KKP1) TJ311=D18X22(KS)+D28X22(KKP)+D38X22(KS1)+D48X22(KKP1) TJ316=D18X23(KS)+D28X23(KKP)+D38X23(KS1)+D48X23(KKP1) TJ318=D18X24(KS)+D28X24(KKP)+D38X24(KS1)+D48X24(KKP1) TJ3091=TJ3091-TJ301 TJ3092=TJ3092-TJ302 TJ3093=TJ3093-TJ303 TJ3094=TJ3094-TJ304 TJ310=TJ310-TJ311 TJ320=TJ320-TJ32 TJ350=TJ350-TJ35 TJ360=TJ360-TJ36 111Y=1 RETURN 300 RAMAX=SP282.-1.-2.8PX IF(RAMAX.LE.0.) RAMAX=.0000001 DEL1=RAMAX/2 KA=0 334 IF(DU-(DEL18KA)) 335,336,337 337 IF(KA.GE.2) GO TO 336 KA=KA+1 GO TO 334 336 KS=KS+KA KS1=KS+KA GO TO 500 1100 335 IF(KA.EQ.0) GO TO 336 KS=KS+KA-1 KS1=KS1+KA-1 KSA=KS+1 KSTW=KS1+1 X0=(DU-(DEL18(KA-1)))/DEL1 D1=(1.-X0-XN-XN8XN)	DECK16 1030 DECK16 1031 DECK16 1032 DECK16 1033 DECK16 1034 DECK16 1035 DECK16 1036 DECK16 1037 DECK16 1038 DECK16 1039 DECK16 1040 DECK16 1041 DECK16 1042 DECK16 1043 DECK16 1044 DECK16 1045 DECK16 1046 MOD2 2 DECK16 1048 DECK16 1049 DECK16 1050 DECK16 1051 DECK16 1052 DECK16 1053 DECK16 1054 DECK16 1055 DECK16 1056 DECK16 1057 DECK16 1058 DECK16 1059 DECK16 1060 DECK16 1061 DECK16 1062 DECK16 1063 DECK16 1064 DECK16 1065 DECK16 1066 DECK16 1067 DECK16 1068 DECK16 1069 DECK16 1070 DECK16 1071 DECK16 1072 DECK16 1073 DECK16 1074 DECK16 1075 DECK16 1076 DECK16 1077 DECK16 1078 DECK16 1079 DECK16 1080 DECK16 1081 DECK16 1082 DECK16 1083 DECK16 1084 DECK16 1085 DECK16 1086 DECK16 1087 DECK16 1088 DECK16 1089 DECK16 1090 DECK16 1091 DECK16 1092 DECK16 1093 DECK16 1094 DECK16 1095 DECK16 1096 DECK16 1097 DECK16 1098 DECK16 1099 DECK16 1100 DECK16 1101 DECK16 1102 DECK16 1103 DECK16 1104 DECK16 1105 DECK16 1106 DECK16 1107 DECK16 1108
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Line	Code	Text	Address
		D1=X0-XMSX0	DECK16 1109
		D1=XN-XMSX0	DECK16 1110
		D1=X0XN	DECK16 1111
1110		TJ301=D1XN11 (KS)+XMSX11 (KS)	DECK16 1112
		TJ302=D1XN12 (KS)+XMSX12 (KS)	DECK16 1113
		TJ303=D1XN13 (KS)+XMSX13 (KS)	DECK16 1114
		TJ304=D1XN14 (KS)+XMSX14 (KS)	DECK16 1115
		TJ305=D1XN15 (KS)+XMSX15 (KS)	DECK16 1116
1115		TJ306=D1XN16 (KS)+XMSX16 (KS)	DECK16 1117
		TJ307=D1XN17 (KS)+XMSX17 (KS)	DECK16 1118
		TJ308=D1XN18 (KS)+XMSX18 (KS)	DECK16 1119
		TJ309=D1XN19 (KS)+XMSX19 (KS)	DECK16 1120
1120		TJ310=D1XN20 (KS)+XMSX20 (KS)	DECK16 1121
		TJ311=D1XN21 (KS)+XMSX21 (KS)	DECK16 1122
		TJ312=D1XN22 (KS)+XMSX22 (KS)	DECK16 1123
		TJ313=D1XN23 (KS)+XMSX23 (KS)	DECK16 1124
		TJ314=D1XN24 (KS)+XMSX24 (KS)	DECK16 1125
1125		TJ315=D1XN25 (KS)+XMSX25 (KS)	DECK16 1126
		TJ316=D1XN26 (KS)+XMSX26 (KS)	DECK16 1127
		TJ317=D1XN27 (KS)+XMSX27 (KS)	DECK16 1128
		TJ318=D1XN28 (KS)+XMSX28 (KS)	DECK16 1129
		TJ319=D1XN29 (KS)+XMSX29 (KS)	DECK16 1130
1130		TJ320=D1XN30 (KS)+XMSX30 (KS)	DECK16 1131
		TJ321=D1XN31 (KS)+XMSX31 (KS)	DECK16 1132
		TJ322=D1XN32 (KS)+XMSX32 (KS)	DECK16 1133
		TJ323=D1XN33 (KS)+XMSX33 (KS)	DECK16 1134
		TJ324=D1XN34 (KS)+XMSX34 (KS)	DECK16 1135
1135		TJ325=D1XN35 (KS)+XMSX35 (KS)	DECK16 1136
		TJ326=D1XN36 (KS)+XMSX36 (KS)	DECK16 1137
		TJ327=D1XN37 (KS)+XMSX37 (KS)	DECK16 1138
		TJ328=D1XN38 (KS)+XMSX38 (KS)	DECK16 1139
		TJ329=D1XN39 (KS)+XMSX39 (KS)	DECK16 1140
1140		TJ330=D1XN40 (KS)+XMSX40 (KS)	DECK16 1141
		TJ331=D1XN41 (KS)+XMSX41 (KS)	DECK16 1142
		TJ332=D1XN42 (KS)+XMSX42 (KS)	DECK16 1143
		TJ333=D1XN43 (KS)+XMSX43 (KS)	DECK16 1144
		TJ334=D1XN44 (KS)+XMSX44 (KS)	DECK16 1145
		TJ335=D1XN45 (KS)+XMSX45 (KS)	DECK16 1146
1145		TJ336=D1XN46 (KS)+XMSX46 (KS)	DECK16 1147
		TJ337=D1XN47 (KS)+XMSX47 (KS)	DECK16 1148
		TJ338=D1XN48 (KS)+XMSX48 (KS)	DECK16 1149
		TJ339=D1XN49 (KS)+XMSX49 (KS)	DECK16 1150
1150		TJ340=D1XN50 (KS)+XMSX50 (KS)	DECK16 1151
		TJ341=D1XN51 (KS)+XMSX51 (KS)	DECK16 1152
		TJ342=D1XN52 (KS)+XMSX52 (KS)	DECK16 1153
		TJ343=D1XN53 (KS)+XMSX53 (KS)	DECK16 1154
		TJ344=D1XN54 (KS)+XMSX54 (KS)	DECK16 1155
		TJ345=D1XN55 (KS)+XMSX55 (KS)	DECK16 1156
1155		TJ346=D1XN56 (KS)+XMSX56 (KS)	DECK16 1157
		TJ347=D1XN57 (KS)+XMSX57 (KS)	DECK16 1158
		TJ348=D1XN58 (KS)+XMSX58 (KS)	DECK16 1159
		TJ349=D1XN59 (KS)+XMSX59 (KS)	DECK16 1160
		TJ350=D1XN60 (KS)+XMSX60 (KS)	DECK16 1161
1160		TJ351=D1XN61 (KS)+XMSX61 (KS)	DECK16 1162
		TJ352=D1XN62 (KS)+XMSX62 (KS)	MOD2 3
		TJ353=D1XN63 (KS)+XMSX63 (KS)	MOD2 4
		TJ354=D1XN64 (KS)+XMSX64 (KS)	MOD2 5
		TJ355=D1XN65 (KS)+XMSX65 (KS)	MOD2 6
1165		TJ356=D1XN66 (KS)+XMSX66 (KS)	DECK16 1167
		TJ357=D1XN67 (KS)+XMSX67 (KS)	DECK16 1168
		TJ358=D1XN68 (KS)+XMSX68 (KS)	DECK16 1169
		TJ359=D1XN69 (KS)+XMSX69 (KS)	DECK16 1170
		TJ360=D1XN70 (KS)+XMSX70 (KS)	DECK16 1171
1170		TJ361=D1XN71 (KS)+XMSX71 (KS)	DECK16 1172
		TJ362=D1XN72 (KS)+XMSX72 (KS)	DECK16 1173
		TJ363=D1XN73 (KS)+XMSX73 (KS)	DECK16 1174
		TJ364=D1XN74 (KS)+XMSX74 (KS)	DECK16 1175
1175		TJ365=D1XN75 (KS)+XMSX75 (KS)	DECK16 1176
		TJ366=D1XN76 (KS)+XMSX76 (KS)	DECK16 1177
		TJ367=D1XN77 (KS)+XMSX77 (	


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1190 425 IF(KT.EQ.0) GO TO 426
      KS = JMIN+38(KT-1)
      KKP=KS+4
      XM=(XM-XMIN+DEL1(KT-1))/DEL1
      RANMX=SP282.-1.-PX82
      IF(RANMX.LE.0.) RANMX = .0000001
      DEL1=RANMX/3.
      KKP=0
1195 434 IF(DU-(DEL18KA)) 435,436,437
      437 IF(KA.EQ.2) GO TO 436
      KA=KA+1
      436 KS=KS+KA
      KKP=KKP+KA
      GO TO 550
1200 435 KS=KS+KA-1
      KKP=KKP+KA-1
      KSA=KS+1
      KKP=KKP+1
      XO=(DU-(DEL18(KA-1)))/DEL1
      D1=XO-KA
      D2=XO-04
      D1=1.-XO-XM-D4
1210 T1301=D1X11(KS)+D2X11(KSA)+D3X11(KKP)+D4X11(KKPA)
      T1302=D1X12(KS)+D2X12(KSA)+D3X12(KKP)+D4X12(KKPA)
      T1303=D1X13(KS)+D2X13(KSA)+D3X13(KKP)+D4X13(KKPA)
      T1304=D1X14(KS)+D2X14(KSA)+D3X14(KKP)+D4X14(KKPA)
      T131=D1X15(KS)+D2X15(KSA)+D3X15(KKP)+D4X15(KKPA)
      T132=D1X16(KS)+D2X16(KSA)+D3X16(KKP)+D4X16(KKPA)
      T135=D1X17(KS)+D2X17(KSA)+D3X17(KKP)+D4X17(KKPA)
      T136=D1X18(KS)+D2X18(KSA)+D3X18(KKP)+D4X18(KKPA)
      T1308=D1X19(KS)+D2X19(KSA)+D3X19(KKP)+D4X19(KKPA)
      T1309=D1X110(KS)+D2X110(KSA)+D3X110(KKP)+D4X110(KKPA)
      T13003=D1X111(KS)+D2X111(KSA)+D3X111(KKP)+D4X111(KKPA)
      T13004=D1X112(KS)+D2X112(KSA)+D3X112(KKP)+D4X112(KKPA)
      T1310=D1X113(KS)+D2X113(KSA)+D3X113(KKP)+D4X113(KKPA)
      T1320=D1X114(KS)+D2X114(KSA)+D3X114(KKP)+D4X114(KKPA)
      T1350=D1X115(KS)+D2X115(KSA)+D3X115(KKP)+D4X115(KKPA)
      T1360=D1X116(KS)+D2X116(KSA)+D3X116(KKP)+D4X116(KKPA)
1225 T13001=D1X117(KS)+D2X117(KSA)+D3X117(KKP)+D4X117(KKPA)
      T13002=D1X118(KS)+D2X118(KSA)+D3X118(KKP)+D4X118(KKPA)
      T13003=D1X119(KS)+D2X119(KSA)+D3X119(KKP)+D4X119(KKPA)
      T13004=D1X120(KS)+D2X120(KSA)+D3X120(KKP)+D4X120(KKPA)
      T1310=D1X121(KS)+D2X121(KSA)+D3X121(KKP)+D4X121(KKPA)
      T1320=D1X122(KS)+D2X122(KSA)+D3X122(KKP)+D4X122(KKPA)
      T1350=D1X123(KS)+D2X123(KSA)+D3X123(KKP)+D4X123(KKPA)
      T1360=D1X124(KS)+D2X124(KSA)+D3X124(KKP)+D4X124(KKPA)
      T13001=T13001-T1301
      T13002=T13002-T1302
      T13003=T13003-T1303
      T13004=T13004-T1304
      T1310=T1310-T131
      T1320=T1320-T132
      T1350=T1350-T135
      T1360=T1360-T136
1230 I11Y = 1
      RETURN
1240 D1=1-XM
      T1301=X11(KS)SD1+XMSX11(KKP)
      T1302=X12(KS)SD1+XMSX12(KKP)
1245 T1303=X13(KS)SD1+XMSX13(KKP)
      T1304=X14(KS)SD1+XMSX14(KKP)
      T131=X15(KS)SD1+XMSX15(KKP)
      T132=X16(KS)SD1+XMSX16(KKP)
      T135=X17(KS)SD1+XMSX17(KKP)
      T136=X18(KS)SD1+XMSX18(KKP)
      T13001=X19(KS)SD1+XMSX19(KKP)
      T13002=X110(KS)SD1+XMSX110(KKP)
      T13003=X111(KS)SD1+XMSX111(KKP)
      T13004=X112(KS)SD1+XMSX112(KKP)
1255 T1310=X113(KS)SD1+XMSX113(KKP)
      T1320=X114(KS)SD1+XMSX114(KKP)
      T1350=X115(KS)SD1+XMSX115(KKP)
      T1360=X116(KS)SD1+XMSX116(KKP)
      T13001=X117(KS)SD1+XMSX117(KKP)
      T13002=X118(KS)SD1+XMSX118(KKP)-T1302
      T13003=X119(KS)SD1+XMSX119(KKP)-T1303
      T13004=X120(KS)SD1+XMSX120(KKP)-T1304
      T1310=X121(KS)SD1+XMSX121(KKP)-T131

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MOD12 6
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ENTRY	POINTS J XINT2	DEF LINE I	REFERENCES 1050 1088 1143 1170 1242 1269 1309 1321
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3674 DEL		REAL	REFS 945 28957 1180 281189 DEFINED 942 1177
3E05 DEL I		REAL	REFS 962 28980 1093 281105 1194 281204 1274
O DU		REAL	F.P. REFS 960 1091 1192 1272 1195 1194 1204 1274
JS14 DI		REAL	REFS 982 1062 1061 989 1055 1056 1057 1058 1059
			1060 1064 1065 1066 1067

VARIABLES SM TYPE RELOCATION

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				2139	214						

VARIABLES SN TYPE RELOCATION

					1125	1126	1127	1128	1129	1130	1131	1132
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3477	KS1	INTEGER			REFS	954	957	973	977	991	995	997
					999	1001	1003	1005	1007	1009	1011	1013
					1015	1017	1019	1021	1023	1025	1027	1029
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					1111	1112	1113	1114	1115	1116	1117	1118
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					1127	1128	1129	1130	1131	1132	1133	1134
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					1162	1163	1164	1165	1166	1167	1168	1169
3510	KS1A	INTEGER			DEFINED	950	954	967	973	998	1008	1012
					REFS	993	995	997	999	1001	1003	1005
					1007	1009	1011	1013	1015	1017	1019	1021
					1023	1025	1027	1029	1031	1033	1035	1037
					1039	1110	1111	1112	1113	1114	1115	1116
					1117	1118	1119	1120	1121	1122	1123	1124
					1125	1126	1127	1128	1129	1130	1131	1132
3475	KT	INTEGER			DEFINED	977	1104	1108	1129	1130	1131	1132
					REFS	954	946	947	949	950	952	953
					954	957	1180	1181	1182	1184	1186	1187
3465	M	INTEGER			REFS	1171	944	947	1179	1182		
3473	PMAX	REAL			REFS	940	942	1175	1177	DEFINED	939	940
3472	PMIN	REAL			REFS	941	942	28943	945	957	1176	1177
3471	PX	REAL			281178	1180	1189	DEFINED	938	941	1173	1174
					REFS	943	945	957	958	1089	1178	1180
					1189	1190	1270	1322	DEFINED	937	943	1172
					1178							
O	P1	REAL	RUNUSED	F.P.	DEFINED	1						
O	P2	REAL	RUNUSED	F.P.	DEFINED	1						
O	P3	REAL	RUNUSED	F.P.	REFS	937	1172	DEFINED	1			
3503	RAMAX	REAL			REFS	939	940	1020	1091	1191	1192	1271
					1272	DEFINED	958	959	1089	1090	1190	1191
					1270	1271						
3504	RAMIN	REAL			DEFINED	960						
O	SP2	REAL		F.P.	REFS	922	927	934	938	939	958	1089
O	T1301	REAL		F.P.	REFS	1174	1190	1270	DEFINED	941		
					1315	DEFINED	1079	1134	1161	1233	1260	1300
					1294	1285	1310	993	1055	1110	1145	1209
O	T1302	REAL		F.P.	REFS	1002	1080	1135	1162	1234	1261	1301
					1316	DEFINED	1	995	1056	1111	1146	1210
O	T1303	REAL		F.P.	REFS	1285	1310	1136	1163	1235	1262	1302
					1316	DEFINED	1	997	1057	1112	1167	1211
O	T1304	REAL		F.P.	REFS	1286	1310	1137	1164	1236	1263	1303
					1317	DEFINED	1	999	1058	1113	1148	1212
O	T131	REAL		F.P.	REFS	1287	1311	1138	1165	1237	1264	1304
					1317	DEFINED	1	1001	1059	1114	1149	1213
O	T132	REAL		F.P.	REFS	1288	1311	1139	1166	1238	1265	1305
					281318	DEFINED	1	1003	1060	1115	1150	1214
O	T135	REAL		F.P.	REFS	1289	1311	1140	1167	1239	1266	1306
					1290	DEFINED	1	1005	1061	1116	1151	1215
O	T136	REAL		F.P.	REFS	1312	1086	1141	1168	1240	1267	1307
					1319	DEFINED	1	1007	1062	1117	1152	1216
O	TJ3081	REAL		F.P.	REFS	1041	1079	1134	1233	DEFINED	1	1025
					1041	1071	1079	1126	1134	1161	1225	1233
O	TJ3082	REAL		F.P.	REFS	1042	1080	1135	1234	DEFINED	1	1027
					1042	1072	1080	1127	1135	1162	1226	1234
					1261	1301	1316					

SUBROUTINE XINT2				73/73	OPT=1	FTN 4. 7+070				79/01/04. 21. 26. 07				PAGE	147
VARIABLES				SM	TYPE	RELOCATION									
0	TJ3003	REAL				F. P.	REFS	1043	1081	1126	1235	DEFINED	1163	1227	1022
							REFS	1043	1081	1126	1235	DEFINED	1163	1227	1022
0	TJ3004	REAL				F. P.	REFS	1044	1082	1127	1236	DEFINED	1164	1228	1023
							REFS	1044	1082	1127	1236	DEFINED	1164	1228	1023
0	TJ3001	REAL				F. P.	DEFINED	1045	1009	1063	1118	1153	1217	1252	
							REFS	1045	1009	1063	1118	1153	1217	1252	
0	TJ3002	REAL				F. P.	DEFINED	1046	1011	1064	1119	1154	1218	1253	
							REFS	1046	1011	1064	1119	1154	1218	1253	
0	TJ3003	REAL				F. P.	DEFINED	1047	1013	1065	1120	1155	1219	1254	
							REFS	1047	1013	1065	1120	1155	1219	1254	
0	TJ3004	REAL				F. P.	DEFINED	1048	1015	1066	1121	1156	1220	1255	
							REFS	1048	1015	1066	1121	1156	1220	1255	
0	TJ310	REAL				F. P.	REFS	1049	1083	1138	1237	DEFINED	1165	1229	1033
							REFS	1049	1083	1138	1237	DEFINED	1165	1229	1033
0	TJ310	REAL				F. P.	DEFINED	1050	1017	1067	1122	1157	1221	1256	
							REFS	1050	1017	1067	1122	1157	1221	1256	
0	TJ320	REAL				F. P.	REFS	1051	1084	1139	1238	DEFINED	1166	1230	1034
							REFS	1051	1084	1139	1238	DEFINED	1166	1230	1034
0	TJ320	REAL				F. P.	DEFINED	1052	1019	1068	1123	1158	1222	1257	
							REFS	1052	1019	1068	1123	1158	1222	1257	
0	TJ330	REAL				F. P.	REFS	1053	1085	1140	1239	DEFINED	1167	1231	1035
							REFS	1053	1085	1140	1239	DEFINED	1167	1231	1035
0	TJ330	REAL				F. P.	DEFINED	1054	1021	1069	1124	1159	1223	1258	
							REFS	1054	1021	1069	1124	1159	1223	1258	
0	TJ360	REAL				F. P.	REFS	1055	1086	1141	1240	DEFINED	1168	1232	1039
							REFS	1055	1086	1141	1240	DEFINED	1168	1232	1039
0	TJ360	REAL				F. P.	DEFINED	1056	1023	1070	1125	1160	1224	1259	
							REFS	1056	1023	1070	1125	1160	1224	1259	
3530	X11	REAL	ARRAY			P05	REFS	281284	481055	481056	481110	281145	481209	281244	
							REFS	281284	481055	481056	481110	281145	481209	281244	
7360	X110	REAL	ARRAY				REFS	281293	481064	481065	481119	281154	481218	281253	
							REFS	281293	481064	481065	481119	281154	481218	281253	
7710	X111	REAL	ARRAY				REFS	281294	481065	481066	481120	281155	481219	281254	
							REFS	281294	481065	481066	481120	281155	481219	281254	
10240	X112	REAL	ARRAY				REFS	281295	481066	481067	481121	281156	481220	281255	
							REFS	281295	481066	481067	481121	281156	481220	281255	
10570	X113	REAL	ARRAY				REFS	281296	481067	481068	481122	281157	481221	281256	
							REFS	281296	481067	481068	481122	281157	481221	281256	
11120	X114	REAL	ARRAY				REFS	281297	481068	481069	481123	281158	481222	281257	
							REFS	281297	481068	481069	481123	281158	481222	281257	
11450	X115	REAL	ARRAY				REFS	281298	481069	481070	481124	281159	481223	281258	
							REFS	281298	481069	481070	481124	281159	481223	281258	
12000	X116	REAL	ARRAY				REFS	281299	481070	481071	481125	281160	481224	281259	
							REFS	281299	481070	481071	481125	281160	481224	281259	
12330	X117	REAL	ARRAY				REFS	281300	481071	481072	481126	281161	481225	281260	
							REFS	281300	481071	481072	481126	281161	481225	281260	
12660	X118	REAL	ARRAY				REFS	281301	481072	481073	481127	281162	481226	281261	
							REFS	281301	481072	481073	481127	281162	481226	281261	
13210	X119	REAL	ARRAY				REFS	281302	481073	481074	481128	281163	481227	281262	
							REFS	281302	481073	481074	481128	281163	481227	281262	
4060	X12	REAL	ARRAY				REFS	281285	481056	481057	481111	281146	481210	281245	
							REFS	281285	481056	481057	481111	281146	481210	281245	
13540	X120	REAL	ARRAY				REFS	281303	481074	481075	481129	281164	481228	281263	
							REFS	281303	481074	481075	481129	281164	481228	281263	
14070	X121	REAL	ARRAY				REFS	281304	481075	481076	481130	281165	481229	281264	
							REFS	281304	481075	481076	481130	281165	481229	281264	
14420	X122	REAL	ARRAY				REFS	281305	481076	481077	481131	281166	481230	281265	
							REFS	281305	481076	481077	481131	281166	481230	281265	
14750	X123	REAL	ARRAY				REFS	281306	481077	481078	481132	281167	481231	281266	
							REFS	281306	481077	481078	481132	281167	481231	281266	
15300	X124	REAL	ARRAY				REFS	281307	481078	481079	481133	281168	481232	281267	
							REFS	281307	481078	481079	481133	281168	481232	281267	
4410	X13	REAL	ARRAY				REFS	281286	481057	481058	481112	281147	481211	281246	
							REFS	281286	481057	481058	481112	281147	481211	281246	
4740	X14	REAL	ARRAY				REFS	281287	481058	481059	481113	281148	481212	281247	
							REFS	281287	481058	481059	481113	281148	481212	281247	
5270	X15	REAL	ARRAY				REFS	281288	481059	481060	481114	281149	481213	281248	
							REFS	281288	481059	481060	481114	281149	481213	281248	
5620	X16	REAL	ARRAY				REFS	281289	481060	481061	481115	281150	481214	281249	
							REFS	281289	481060	481061	481115	281150	481214	281249	
6150	X17	REAL	ARRAY				REFS	281290	481061	481062	481116	281151	481215	281250	
							REFS	281290	481061	481062	481116	281151	481215	281250	

VARIABLES	SM	TYPE	RELOCATION
6500 X18	REAL	ARRAY	
7030 X19	REAL	ARRAY	
3502 XM	REAL		
3466 XN	REAL		
3513 XO	REAL		

REFS	4	821007	481062	481117	281152	481216	281251
281291	1312	DEFINED	465	484			
REFS	4	821009	481063	481118	281153	481217	281252
281282	1313	DEFINED	461	480			
REFS	28981	983	28985	987	281051	281052	1053
1054	1205	1206	1208	1243	1244	1245	1246
1247	1248	1249	1250	1251	1252	1253	1254
1255	1256	1257	1258	1259	1260	1261	1262
1263	1264	1265	1266	1267	DEFINED	987	1189
REFS	982	984	986	988	281051	1052	281053
1054	281106	1107	281108	1109	1144	1145	1146
1147	1148	1149	1150	1151	1152	1153	1154
1155	1156	1157	1158	1159	1160	1161	1162
1163	1164	1165	1166	1167	1168		
DEFINED	934						
REFS	28981	28983	985	987	281104	281107	1108
1109	1205	1207	1208	1283	1284	1285	1286
1287	1288	1289	1290	1291	1292	1293	1294
1295	1296	1297	1298	1299	1300	1301	1302
1303	1304	1305	1306	1307	DEFINED	980	1105
1204	1282						

FILE NAMES	MODE	WRITES	1322
OUTPUT	FMT		

STATEMENT LABELS	DEF LINE	REFERENCES
7 1	922	925
0 2	923	922
27 3	924	923
15 4	925	929
31 5	926	
24 6	927	
0 7	928	
2327 8	929	933
60 224	930	
75 225	931	
70 226	932	946
0 227	933	952
121 234	934	
135 235	935	
130 236	936	963
0 237	937	971
1562 300	938	
1572 301	939	
1605 302	940	
1602 303	941	1094
0 304	942	1100
3137 350	943	
1165 400	944	
2361 424	945	
2364 425	946	
2361 426	947	1181
0 427	948	1186
2406 434	949	
2420 435	950	
2418 436	951	1195
0 437	952	
2162 500	953	
3160 524	954	
3161 525	955	
3167 526	956	1275
0 527	957	
2762 550	958	
3317 550	959	
0 550	960	
3446 901	961	1322

COMMON BLOCKS	LENGTH	MEMBERS -	NAME (LENGTH)
POS	18	0	XN (18)

STATISTICS	PROGRAM LENGTH	156308	7064
CH LABELED	COMMON LENGTH	228	18
706008	CH USED		

```
1 SUBROUTINE XINT3(SP2,OUU,OU,P1,P2,P3,T1371,T1372,T1373,T1374,T1381,DECK17) 1
1, T1382, T1383, T1384, T1391, T1392, T1393, T1394, T1401, T1402, T1411, T1412, DECK17 2
2, T144, T1374, T1375, T1376, T1377, T1381, T1382, T1383, T1384, T1391, DECK17 3
3, T1385, T1386, T1387, T1388, T1391, T1392, T1393, T1394, T1401, T1402, DECK17 4
5 4, T1378, T1379, T1380, T1381, T1382, T1383, T1384, T1385, T1386, T1387, DECK17 5
5, T1388, T1389, T1390, T1391, T1392, T1393, T1394, T1395, T1396, T1397, DECK17 6
6, T1398, T1399, T1400, T1401, T1402, T1403, T1404, T1405, T1406, T1407, DECK17 7
COMMON/PEB/ HA(10) DECK17 8
DIMENSION X(144,32), X1(432), X12(432), X14(432), X16(432), X18(432), DECK17 9
X17(432), X19(432), X110(432), X111(432), X112(432), X113(144), DECK17 10
2, X114(144), X115(144), X116(144), X117(432), X118(432), X119(432), DECK17 11
X120(432), X121(432), X122(432), X123(432), X124(432), X125(432), DECK17 12
X126(432), X127(432), X128(432), X129(144), X130(144), X131(144), X132( DECK17 13
144), X133(432), X134(432), X135(432), X136(432), X137(432), X138(432), DECK17 14
6, X139(432), X140(432), X141(432), X142(432), X143(432), X144(432), DECK17 15
15 7, X145(144), X146(144), X147(144), X148(144) DECK17 16
DATA (X11(JKL), JKL=1, 108) / MOD1 DECK17 17
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 18
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 19
20 X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 20
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 21
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 22
X 00627, 00618, 00619, 01435, 01436, 01437, DECK17 23
25 X 01328, 01329, 01329, 000000, 00210, 00212, DECK17 24
X 02400, 02416, 02424, 01388, 01388, 01388, DECK17 25
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 26
X 000000, 000000, 000000, 02003, 02032, 02040, DECK17 27
X 01381, 01387, 01388, 03200, 03200, 03200, DECK17 28
30 X 000001, 00749, 00827, 04989, 05078, 05119, DECK17 29
X 07903, 07903, 07903, 000000, 000000, 000000, DECK17 30
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 31
X 03222, 03262, 04279, 05702, 05711, 05717, DECK17 32
X 05855, 05855, 05855, 000002, 01509, 01745, DECK17 33
35 X 07698, 07906, 08018, 12091, 12091, 12091, DECK17 34
DATA (X11(JKL), JKL=109, 216) / MOD1 DECK17 35
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 36
X 000000, 000000, 000000, 06997, 07020, 07020, DECK17 37
X 08273, 08283, 08291, 09014, 09014, 09014, DECK17 38
40 X 000003, 02421, 02910, 10498, 10868, 11081, DECK17 39
X 16325, 16325, 16325, 000000, 000000, 000000, DECK17 40
X 000000, 000000, 000000, 000000, 000000, 000000, DECK17 41
X 09982, 10017, 10040, 10988, 10996, 11004, DECK17 42
X 11541, 11541, 11541, 000004, 03447, 04269, DECK17 43
X 11361, 13233, 15279, 20799, 20799, 20799, DECK17 44
45 X 04599, 04599, 04599, 04599, 04599, 04599, DECK17 45
X 04599, 04599, 04599, 14230, 14306, 14366, DECK17 46
X 15635, 15654, 15670, 16406, 16406, 16406, DECK17 47
X 000000, 04560, 05786, 16288, 17089, 17578, DECK17 48
X 25278, 25278, 25278, 09360, 09360, 09360, DECK17 49
50 X 09360, 09360, 09360, 09360, 09360, 09360, DECK17 50
X 18583, 18716, 18803, 20391, 20426, 20454, DECK17 51
X 21381, 21381, 21381, 000007, 05749, 07434, DECK17 52
X 19258, 20308, 20971, 29835, 29835, 29835, DECK17 53
55 DATA (X11(JKL), JKL=217, 324) / MOD1 DECK17 54
X 14260, 14260, 14260, 14260, 14260, 14260, DECK17 55
X 14260, 14260, 14260, 23026, 23226, 23362, DECK17 56
X 25243, 25296, 25338, 26453, 26453, 26453, DECK17 57
X 000009, 06986, 09193, 22275, 23596, 24446, DECK17 58
X 34458, 34458, 34458, 19279, 19279, 19279, DECK17 59
60 X 19279, 19279, 19279, 19279, 19279, 19279, DECK17 60
X 27848, 27827, 28016, 30176, 30251, 30312, DECK17 61
X 31610, 31610, 31610, 000010, 08282, 11046, DECK17 62
X 25330, 26937, 27992, 39139, 39139, 39139, DECK17 63
X 24402, 24402, 24402, 24402, 24402, 24402, DECK17 64
65 X 24402, 24402, 24402, 32738, 32806, 32761, DECK17 65
X 35187, 35285, 35366, 36845, 36845, 36845, DECK17 66
X 00012, 09620, 12982, 30330, 30330, 31601, DECK17 67
X 43879, 43879, 43879, 29616, 29616, 29616, DECK17 68
X 29616, 29616, 29616, 29616, 29616, 29616, DECK17 69
70 X 36790, 37256, 37581, 40263, 40388, 40491, DECK17 70
X 42149, 42149, 42149, 000014, 10998, 14991, DECK17 71
X 31544, 31768, 35266, 48658, 48658, 48658, DECK17 72
75 DATA (X11(JKL), JKL=325, 432) / MOD1 DECK17 73
X 34912, 34912, 34912, 34912, 34912, 34912, DECK17 74
X 34912, 34912, 34912, 42070, 42471, 42471, DECK17 75
X 45400, 45554, 45682, 47516, 47516, 47516, DECK17 76
X 00016, 12412, 17065, 34658, 37247, 38983, DECK17 77
X 53488, 53488, 53488, 40282, 40282, 40282, DECK17 78
X 40282, 40282, 40282, 40282, 40282, 40282, DECK17 79
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80

X	46258.	46942.	47424.	50593.	50779.	50933.	DECK17	80
X	52942.	52942.	52942.	00018.	13858.	19196.	DECK17	81
X	37876.	40764.	42748.	58359.	58359.	58359.	DECK17	82
X	46220.	46220.	46220.	46220.	46220.	46220.	DECK17	83
X	45720.	45720.	45720.	51065.	51867.	52436.	DECK17	84
X	55838.	56056.	56238.	58422.	58422.	58422.	DECK17	85
X	00020.	16339.	21381.	41082.	44317.	46556.	DECK17	86
X	61220.	61220.	61220.	61220.	61220.	61220.	DECK17	87
X	51219.	51219.	51219.	51219.	51219.	51219.	DECK17	88
X	56915.	56842.	57501.	61131.	61184.	61595.	DECK17	89
X	63952.	63952.	63952.	00022.	16837.	23614.	DECK17	90
X	48311.	57882.	58005.	68218.	68218.	68218.	DECK17	91

DATA (X12 (JKL), JKL=1, 188) /	MOD1	92
X 00000.	DECK17	93
X 00000.	DECK17	94
X 00000.	DECK17	95
X 00000.	DECK17	96
X 00000.	DECK17	97
X 00000.	DECK17	98
X 00512.	DECK17	99

100

X	01536.	01536.	01536.	00000.	00000.	00000.	DECK17	100
X	02168.	02180.	02185.	03037.	03037.	03037.	DECK17	101
X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	102
X	00000.	00000.	00000.	01856.	01880.	01886.	DECK17	103
X	02089.	02012.	02012.	03155.	03155.	03155.	DECK17	104
X	00001.	00735.	00809.	04487.	04548.	04578.	DECK17	105
X	06201.	06201.	06201.	00000.	00000.	00000.	DECK17	106
X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	107

105

X	03701.	03727.	03738.	04539.	04542.	04545.	DECK17	108
X	04825.	04825.	04825.	00002.	01465.	01486.	DECK17	109
X	06902.	07047.	07124.	09467.	09467.	09467.	DECK17	110

DATA (X12 (JKL), JKL=109, 216) /	MOD1	112
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115

X	00000.	00000.	00000.	05756.	05777.	05788.	DECK17	112
X	00000.	00000.	00000.	06341.	06527.	06527.	DECK17	113
X	00001.	02130.	02778.	06527.	06527.	06527.	DECK17	114
X	12817.	12817.	12817.	08003.	08003.	08003.	DECK17	115
X	00003.	00003.	00003.	00003.	00003.	00003.	DECK17	116
X	07824.	07837.	07846.	08150.	08152.	08154.	DECK17	117
X	08252.	08252.	08252.	08252.	08252.	08252.	DECK17	118

120

X	11936.	12324.	12546.	16238.	16238.	16238.	DECK17	119
X	03226.	03226.	03226.	03226.	03226.	03226.	DECK17	120
X	03226.	03226.	03226.	11133.	11161.	11179.	DECK17	121
X	11585.	11585.	11593.	11725.	11725.	11725.	DECK17	122

125

X	00000.	04332.	08417.	14531.	15067.	15382.	DECK17	123
X	19722.	19722.	19722.	06564.	06564.	06564.	DECK17	124
X	06564.	06564.	06564.	06564.	06564.	06564.	DECK17	125
X	15820.	15867.	15897.	15897.	15104.	15110.	DECK17	126
X	15276.	15276.	15276.	00007.	05429.	05404.	DECK17	127

130

DATA (X12 (JKL), JKL=217, 324) /	MOD1	129
X 10001.	DECK17	130
X 10001.	DECK17	131
X 10001.	DECK17	132
X 18677.	DECK17	133
X 00009.	DECK17	134

135

X	24849.	24849.	24849.	13520.	13520.	13520.	DECK17	135
X	13520.	13520.	13520.	13520.	13520.	13520.	DECK17	136
X	21485.	21582.	21645.	22318.	22334.	22346.	DECK17	137
X	22574.	22574.	22574.	00010.	07763.	10123.	DECK17	138
X	22545.	22605.	22529.	39483.	39483.	39483.	DECK17	139

140

X	17113.	17113.	17113.	17113.	17113.	17113.	DECK17	140
X	17113.	17113.	17113.	25050.	25176.	25258.	DECK17	141
X	26013.	26033.	26049.	26308.	26308.	26308.	DECK17	142
X	00012.	08987.	11831.	25281.	26536.	27317.	DECK17	143

145

X	34158.	34158.	34158.	20770.	20770.	20770.	DECK17	144
X	20770.	20770.	20770.	20770.	20770.	20770.	DECK17	145
X	28661.	28820.	28923.	29756.	29782.	29803.	DECK17	146
X	30022.	30022.	30022.	00014.	10244.	13593.	DECK17	147

DATA (X12 (JKL), JKL=325, 432) /	MOD1	148
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150

X	24484.	24484.	24484.	24484.	24484.	24484.	DECK17	148
X	24484.	24484.	24484.	12316.	12509.	12635.	DECK17	149
X	33845.	33876.	33801.	33921.	33921.	33921.	DECK17	150
X	00016.	11529.	15404.	30834.	32500.	33553.	DECK17	151

155

X	41618.	41618.	41618.	28250.	28250.	28250.	DECK17	152
X	28250.	28250.	28250.	28250.	28250.	28250.	DECK17	153
X	36010.	36440.	36440.	37412.	37412.	37412.	DECK17	154
X	37791.	37791.	37791.	00018.	12841.	17257.	DECK17	155
X	33646.	35528.	36725.	45399.	45399.	45399.	DECK17	156

160	X	32063	32063	32063	32063	32063	32063	DECK17	159
	X	32063	32063	32063	32063	32063	32063	DECK17	160
	X	41121	41121	41121	41121	41121	41121	DECK17	161
	X	41121	41121	41121	41121	41121	41121	DECK17	162
	X	49210	49210	49210	49210	49210	49210	DECK17	163
	X	38920	38920	38920	38920	38920	38920	DECK17	164
165	X	41121	41121	41121	41121	41121	41121	DECK17	165
	X	41121	41121	41121	41121	41121	41121	DECK17	166
	X	41121	41121	41121	41121	41121	41121	DECK17	167
	X	DATA (X13) (JKL) JKL=1	DATA (X13) (JKL) JKL=1	DATA (X13) (JKL) JKL=1	DATA (X13) (JKL) JKL=1	DATA (X13) (JKL) JKL=1	DATA (X13) (JKL) JKL=1	MOD1	168
170	X	00000	00000	00000	00000	00000	00000	DECK17	169
	X	00000	00000	00000	00000	00000	00000	DECK17	170
	X	00000	00000	00000	00000	00000	00000	DECK17	171
	X	00000	00000	00000	00000	00000	00000	DECK17	172
	X	00000	00000	00000	00000	00000	00000	DECK17	173
175	X	00000	00000	00000	00000	00000	00000	DECK17	174
	X	00498	00498	00498	00498	00498	00498	DECK17	175
	X	01252	01252	01252	01252	01252	01252	DECK17	176
	X	01252	01252	01252	01252	01252	01252	DECK17	177
	X	01252	01252	01252	01252	01252	01252	DECK17	178
180	X	00000	00000	00000	00000	00000	00000	DECK17	179
	X	02134	02134	02134	02134	02134	02134	DECK17	180
	X	00001	00001	00001	00001	00001	00001	DECK17	181
	X	00000	00000	00000	00000	00000	00000	DECK17	182
	X	00000	00000	00000	00000	00000	00000	DECK17	183
185	X	03284	03284	03284	03284	03284	03284	DECK17	184
	X	03866	03866	03866	03866	03866	03866	DECK17	185
	X	00000	00000	00000	00000	00000	00000	DECK17	186
	X	DATA (X13) (JKL) JKL=109	DATA (X13) (JKL) JKL=109	DATA (X13) (JKL) JKL=109	DATA (X13) (JKL) JKL=109	DATA (X13) (JKL) JKL=109	DATA (X13) (JKL) JKL=109	MOD1	187
190	X	00000	00000	00000	00000	00000	00000	DECK17	188
	X	00000	00000	00000	00000	00000	00000	DECK17	189
	X	00156	00156	00156	00156	00156	00156	DECK17	190
	X	00003	00003	00003	00003	00003	00003	DECK17	191
	X	10533	10533	10533	10533	10533	10533	DECK17	192
	X	00003	00003	00003	00003	00003	00003	DECK17	193
195	X	00003	00003	00003	00003	00003	00003	DECK17	194
	X	00000	00000	00000	00000	00000	00000	DECK17	195
	X	10764	10764	10764	10764	10764	10764	DECK17	196
	X	02561	02561	02561	02561	02561	02561	DECK17	197
	X	02561	02561	02561	02561	02561	02561	DECK17	198
200	X	00000	00000	00000	00000	00000	00000	DECK17	199
	X	00004	00004	00004	00004	00004	00004	DECK17	200
	X	16193	16193	16193	16193	16193	16193	DECK17	201
	X	05213	05213	05213	05213	05213	05213	DECK17	202
	X	11930	11930	11930	11930	11930	11930	DECK17	203
205	X	12152	12152	12152	12152	12152	12152	DECK17	204
	X	15457	15457	15457	15457	15457	15457	DECK17	205
	X	DATA (X13) (JKL) JKL=217	DATA (X13) (JKL) JKL=217	DATA (X13) (JKL) JKL=217	DATA (X13) (JKL) JKL=217	DATA (X13) (JKL) JKL=217	DATA (X13) (JKL) JKL=217	MOD1	206
210	X	07942	07942	07942	07942	07942	07942	DECK17	207
	X	07942	07942	07942	07942	07942	07942	DECK17	208
	X	14990	14990	14990	14990	14990	14990	DECK17	209
	X	00003	00003	00003	00003	00003	00003	DECK17	210
	X	22033	22033	22033	22033	22033	22033	DECK17	211
	X	10737	10737	10737	10737	10737	10737	DECK17	212
	X	17638	17638	17638	17638	17638	17638	DECK17	213
215	X	17958	17958	17958	17958	17958	17958	DECK17	214
	X	20280	20280	20280	20280	20280	20280	DECK17	215
	X	13590	13590	13590	13590	13590	13590	DECK17	216
	X	13590	13590	13590	13590	13590	13590	DECK17	217
	X	20872	20872	20872	20872	20872	20872	DECK17	218
220	X	00012	00012	00012	00012	00012	00012	DECK17	219
	X	28022	28022	28022	28022	28022	28022	DECK17	220
	X	16493	16493	16493	16493	16493	16493	DECK17	221
	X	21518	21518	21518	21518	21518	21518	DECK17	222
	X	21517	21517	21517	21517	21517	21517	DECK17	223
225	X	25210	25210	25210	25210	25210	25210	DECK17	224
	X	DATA (X13) (JKL) JKL=325	DATA (X13) (JKL) JKL=325	DATA (X13) (JKL) JKL=325	DATA (X13) (JKL) JKL=325	DATA (X13) (JKL) JKL=325	DATA (X13) (JKL) JKL=325	MOD1	225
	X	19443	19443	19443	19443	19443	19443	DECK17	226
	X	19443	19443	19443	19443	19443	19443	DECK17	227
	X	26912	26912	26912	26912	26912	26912	DECK17	228
230	X	00016	00016	00016	00016	00016	00016	DECK17	229
	X	14118	14118	14118	14118	14118	14118	DECK17	230
	X	22434	22434	22434	22434	22434	22434	DECK17	231
	X	29540	29540	29540	29540	29540	29540	DECK17	232
	X	30061	30061	30061	30061	30061	30061	DECK17	233
	X	10230	10230	10230	10230	10230	10230	DECK17	234
235	X	25462	25462	25462	25462	25462	25462	DECK17	235
	X	25462	25462	25462	25462	25462	25462	DECK17	236
	X	33084	33084	33084	33084	33084	33084	DECK17	237

	X	00020.	13239.	17455.	32770.	34169.	35004.	DECK17	238	
240	X	40356.	40356.	40356.	28525.	28525.	28525.	DECK17	239	
	X	28525.	28525.	28525.	28525.	28525.	28525.	DECK17	240	
	X	36307.	36307.	36307.	00022.	14486.	19167.	DECK17	242	
	X	36307.	36307.	36307.	43502.	43502.	43502.	DECK17	243	
245		DATA (X14 (JKL), JKL=1						108)/	MOD1	13
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	245	
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	246	
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	247	
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	248	
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	249	
250	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	250	
	X	00485.	00494.	00495.	00900.	00981.	00981.	DECK17	252	
	X	01064.	01064.	01064.	00000.	00204.	00213.	DECK17	253	
	X	01203.	01211.	01212.	02113.	02113.	02113.	DECK17	254	
255	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	255	
	X	02086.	02087.	02087.	01613.	01628.	01632.	DECK17	256	
	X	00001.	00207.	00226.	01211.	01211.	01211.	DECK17	257	
	X	04358.	04358.	04358.	00000.	00000.	00000.	DECK17	258	
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	259	
260	X	02946.	02958.	02962.	03228.	03228.	03229.	DECK17	260	
	X	03263.	03263.	03263.	00002.	01185.	01581.	DECK17	261	
	X	DATA (X14 (JKL), JKL=109.	216)/	06693.	06693.	06693.	06693.	DECK17	262	
								MOD1	14	
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	264	
265	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	265	
	X	04377.	04377.	04377.	04391.	04391.	04391.	DECK17	266	
	X	00003.	02173.	02555.	07716.	07839.	07903.	DECK17	267	
	X	08984.	08984.	08984.	00002.	00002.	00002.	DECK17	268	
	X	00002.	00002.	00002.	00002.	00002.	00002.	DECK17	269	
270	X	05494.	05494.	05497.	05531.	05531.	05531.	DECK17	270	
	X	05535.	05535.	05535.	00004.	03037.	03650.	DECK17	271	
	X	09789.	09971.	10049.	11373.	11373.	11373.	DECK17	272	
	X	02152.	02152.	02152.	02152.	02152.	02152.	DECK17	273	
	X	02152.	02152.	02152.	07888.	07888.	07888.	DECK17	274	
275	X	07858.	07858.	07858.	07863.	07863.	07863.	DECK17	275	
	X	00006.	03957.	04836.	11899.	12148.	12284.	DECK17	276	
	X	17806.	17806.	17806.	04393.	04393.	04393.	DECK17	277	
	X	04393.	04393.	04393.	04393.	04393.	04393.	DECK17	278	
	X	10174.	10180.	10184.	10237.	10238.	10238.	DECK17	279	
	X	10244.	10244.	10244.	00007.	04922.	06093.	DECK17	280	
	X	14051.	14051.	14052.	16276.	16276.	16276.	DECK17	281	
		DATA (X14 (JKL), JKL=217.						324)/	MOD1	15
	X	06693.	06693.	06693.	06693.	06693.	06693.	DECK17	283	
285	X	06693.	06693.	06693.	12586.	12595.	12600.	DECK17	284	
	X	12663.	12663.	12663.	12671.	12671.	12671.	DECK17	285	
	X	00009.	06922.	07408.	16213.	16614.	16836.	DECK17	286	
	X	18781.	18781.	18781.	09049.	09049.	09049.	DECK17	287	
	X	09049.	09049.	09049.	09049.	09049.	09049.	DECK17	288	
	X	15038.	15038.	15037.	15128.	15129.	15130.	DECK17	289	
290	X	16138.	16138.	16138.	00010.	06954.	08771.	DECK17	290	
	X	18411.	18894.	19163.	21318.	21318.	21318.	DECK17	291	
	X	11453.	11453.	11453.	11453.	11453.	11453.	DECK17	292	
	X	11453.	11453.	11453.	17526.	17526.	17526.	DECK17	293	
	X	17630.	17631.	17632.	17641.	17641.	17641.	DECK17	294	
295	X	00012.	08012.	10176.	20633.	21203.	21521.	DECK17	295	
	X	23883.	23883.	23883.	13901.	13901.	13901.	DECK17	296	
	X	13901.	13901.	13901.	13901.	13901.	13901.	DECK17	297	
	X	20047.	20067.	20078.	20166.	20167.	20168.	DECK17	298	
	X	20178.	20178.	20178.	00014.	09094.	11616.	DECK17	299	
300	X	22877.	23636.	23906.	26475.	26475.	26475.	DECK17	300	
		DATA (X14 (JKL), JKL=325.						432)/	MOD1	16
	X	16387.	16387.	16387.	16387.	16387.	16387.	DECK17	302	
305	X	16387.	16387.	16387.	22698.	22622.	22636.	DECK17	303	
	X	22731.	22733.	22734.	22745.	22745.	22745.	DECK17	304	
	X	00016.	10198.	13082.	25142.	25829.	26316.	DECK17	305	
	X	18991.	18991.	18991.	18997.	18997.	18997.	DECK17	306	
	X	18907.	18907.	18907.	18907.	18907.	18907.	DECK17	307	
	X	25177.	25205.	25221.	25325.	25326.	25328.	DECK17	308	
	X	25340.	25340.	25340.	00018.	11321.	14590.	DECK17	309	
310	X	27425.	28273.	28749.	31731.	31731.	31731.	DECK17	310	
	X	21460.	21460.	21460.	21460.	21460.	21460.	DECK17	311	
	X	21460.	21460.	21460.	27781.	27815.	27833.	DECK17	312	
	X	27944.	27944.	27947.	27960.	27960.	27960.	DECK17	313	
	X	00020.	12463.	16116.	29727.	30672.	31204.	DECK17	314	
315	X	34392.	34392.	34392.	24041.	24041.	24041.	DECK17	315	
	X	24041.	24041.	24041.	24041.	24041.	24041.	DECK17	316	

	10409	10407	10406	10507	10509	10501	DECK17	117
	10409	10407	10406	10507	10509	10501	DECK17	118
	10409	10407	10406	10507	10509	10501	DECK17	119
320	DATA (X130(JKL), JKL=1	10409	10406	10507	10509	10501	DECK17	120
	000000	000000	000000	000000	000000	000000	DECK17	121
	000000	000000	000000	000000	000000	000000	DECK17	122
	000000	000000	000000	000000	000000	000000	DECK17	123
	000000	000000	000000	000000	000000	000000	DECK17	124
325	000000	000000	000000	000000	000000	000000	DECK17	125
	000000	000000	000000	000000	000000	000000	DECK17	126
	000000	000000	000000	000000	000000	000000	DECK17	127
	000000	000000	000000	000000	000000	000000	DECK17	128
330	000000	000000	000000	000000	000000	000000	DECK17	129
	000000	000000	000000	000000	000000	000000	DECK17	130
	000000	000000	000000	000000	000000	000000	DECK17	131
	000000	000000	000000	000000	000000	000000	DECK17	132
335	000000	000000	000000	000000	000000	000000	DECK17	133
	000000	000000	000000	000000	000000	000000	DECK17	134
	000000	000000	000000	000000	000000	000000	DECK17	135
	000000	000000	000000	000000	000000	000000	DECK17	136
340	DATA (X129(JKL), JKL=109	10409	10406	10507	10509	10501	DECK17	137
	000000	000000	000000	000000	000000	000000	DECK17	138
	000000	000000	000000	000000	000000	000000	DECK17	139
	000000	000000	000000	000000	000000	000000	DECK17	140
	000000	000000	000000	000000	000000	000000	DECK17	141
345	DATA (X145(JKL), JKL=1	10409	10406	10507	10509	10501	DECK17	142
	000000	000000	000000	000000	000000	000000	DECK17	143
	000000	000000	000000	000000	000000	000000	DECK17	144
	000000	000000	000000	000000	000000	000000	DECK17	145
	000000	000000	000000	000000	000000	000000	DECK17	146
350	000000	000000	000000	000000	000000	000000	DECK17	147
	000000	000000	000000	000000	000000	000000	DECK17	148
	000000	000000	000000	000000	000000	000000	DECK17	149
	000000	000000	000000	000000	000000	000000	DECK17	150
	000000	000000	000000	000000	000000	000000	DECK17	151
355	000000	000000	000000	000000	000000	000000	DECK17	152
	000000	000000	000000	000000	000000	000000	DECK17	153
	000000	000000	000000	000000	000000	000000	DECK17	154
	000000	000000	000000	000000	000000	000000	DECK17	155
	000000	000000	000000	000000	000000	000000	DECK17	156
360	000000	000000	000000	000000	000000	000000	DECK17	157
	000000	000000	000000	000000	000000	000000	DECK17	158
	000000	000000	000000	000000	000000	000000	DECK17	159
	000000	000000	000000	000000	00			

	X	3.89871.	4.82333.	6.48142.	00000.	00000.	00000.	DECK17	396
	X	49431.	55549.	66334.	4.00000.	4.94240.	6.63635/	DECK17	397
		DATA (X146(JKL), JKL=1	108)/					MOD1	23
400	X	1.00000.	1.25513.	1.77303.	1.00000.	1.25513.	1.77303.	DECK17	400
	X	1.00000.	1.25513.	1.77303.	1.00000.	1.25513.	1.77303.	DECK17	401
	X	91388.	1.18824.	1.58047.	1.09445.	1.35518.	1.90092.	DECK17	402
	X	28540.	40672.	53254.	72750.	95017.	1.27068.	DECK17	403
	X	1.18122.	1.40813.	2.02064.	0.65664.	1.01888.	1.11124.	DECK17	404
405	X	51614.	70037.	92337.	1.24491.	1.53582.	2.13261.	DECK17	405
	X	00393.	00663.	00844.	0.00000.	0.00000.	0.00000.	DECK17	406
	X	1.34164.	1.61859.	2.24086.	0.00000.	0.00000.	0.00000.	DECK17	407
	X	1.74727.	2.58229.	3.73111.	1.81821.	1.63712.	2.38118.	DECK17	408
	X	0.00000.	0.00000.	0.00000.	0.00000.	0.00000.	0.00000.	DECK17	409
410	X	1.48324.	1.77255.	2.44120.	0.00000.	0.00000.	0.00000.	DECK17	410
	X	19145.	28208.	36428.	1.64919.	1.84472.	2.53541.	DECK17	411
	X	0.00000.	0.00000.	0.00000.	0.00000.	0.00000.	0.00000.	DECK17	412
	X	1.61245.	1.91416.	2.62626.	0.00000.	0.00000.	0.00000.	DECK17	413
	X	20679.	30401.	39213.	1.67332.	1.98117.	2.71402.	DECK17	414
	X	0.00000.	0.00000.	0.00000.	2.1404.	3.1441.	4.0533.	DECK17	415
415	X	1.73205.	2.04599.	2.79908.	0.00000.	0.00000.	0.00000.	DECK17	416
	X	22106.	32467.	41812.	1.78885.	2.10882.	2.88156/	DECK17	417
		DATA (X146(JKL), JKL=109.	144)/					MOD1	24
	X	0.00000.	0.00000.	0.00000.	2.2787.	3.3423.	4.3053.	DECK17	418
420	X	1.83121.	2.16382.	2.96177.	0.00000.	0.00000.	0.00000.	DECK17	419
	X	23447.	34371.	44260.	1.89734.	2.32916.	3.03986.	DECK17	420
	X	0.00000.	0.00000.	0.00000.	2.0090.	3.5293.	4.5434.	DECK17	421
	X	1.94936.	2.28495.	3.11599.	0.00000.	0.00000.	0.00000.	DECK17	422
	X	24716.	36193.	46578.	2.00000.	2.34333.	3.19030/	DECK17	423
		DATA (X115(JKL), JKL=1	108)/					MOD1	25
425	X	43133.	19726.	0.00000.	43134.	19726.	0.00000.	DECK17	425
	X	43134.	19726.	0.00000.	24118.	10290.	0.00000.	DECK17	426
	X	75183.	15087.	0.00000.	36517.	21119.	0.00000.	DECK17	427
	X	10437.	04230.	0.00000.	28818.	10957.	0.00000.	DECK17	428
	X	49706.	22425.	0.00000.	02931.	01140.	0.00000.	DECK17	429
430	X	18126.	07480.	0.00000.	52684.	23640.	0.00000.	DECK17	430
	X	00296.	00111.	0.00000.	11725.	04723.	0.00000.	DECK17	431
	X	55501.	24833.	0.00000.	0.00000.	0.00000.	0.00000.	DECK17	432
	X	06823.	02691.	0.00000.	58180.	25953.	0.00000.	DECK17	433
	X	00000.	0.00000.	0.00000.	07139.	02612.	0.00000.	DECK17	434
	X	60742.	27027.	0.00000.	0.00000.	0.00000.	0.00000.	DECK17	435
	X	07443.	02927.	0.00000.	43199.	28059.	0.00000.	DECK17	436
	X	0.00000.	0.00000.	0.00000.	07734.	03038.	0.00000.	DECK17	4


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475 X 03022. 00978. 0.00000. 72771. 30130. 0.00000/
    DATA (X16 (JKL), JKL=1, 108)/
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
480 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 01011. 01601. 01638. 01675. 01111. 01134.
    X 04151. 04151. 04151. 00000. 00000. 00000.
485 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 13600. 13600. 13600. 13600. 13600. 13600.
    X 07112. 07282. 07310. 08666. 08666. 08666.
    X 00000. 00000. 00000. 00000. 00000. 00000.
490 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 16199. 16199. 16199. 16199. 16199. 16199.
    X 07810. 09316. 09724. 11356. 11772. 11772.
    X 12736. 12736. 12736. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000/

495 DATA (X16 (JKL), JKL=109, 216)/
    X 17866. 18034. 18128. 18251. 18298. 18336.
    X 18478. 18478. 18478. 18478. 18478. 18478.
    X 00000. 00000. 00000. 00000. 00000. 00000.
500 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 18809. 18809. 18809. 18809. 18809. 18809.
    X 18809. 18809. 18809. 18809. 18809. 18809.
    X 19209. 19209. 19209. 19209. 19209. 19209.
505 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 20312. 20312. 20312. 20312. 20312. 20312.
    X 20312. 20312. 20312. 20312. 20312. 20312.
    X 19871. 20071. 20189. 20388. 20588. 20788.
    X 00000. 00000. 00000. 00000. 00000. 00000.
510 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 21772. 21772. 21772. 21772. 21772. 21772.
    X 19218. 20626. 21045. 21464. 21883. 22302.
    X 21478. 21478. 21478. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000/

515 DATA (X16 (JKL), JKL=217, 325)/
    X 23294. 23294. 23294. 23294. 23294. 23294.
    X 23294. 23294. 23294. 23294. 23294. 23294.
    X 23294. 23294. 23294. 23294. 23294. 23294.
    X 00000. 00000. 00000. 00000. 00000. 00000.
520 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 24973. 24973. 24973. 24973. 24973. 24973.
    X 21678. 22989. 23311. 23633. 23955. 24277.
    X 21815. 22815. 23815. 24815. 25815. 26815.
    X 00000. 00000. 00000. 00000. 00000. 00000.
525 X 00000. 00000. 00000. 00000. 00000. 00000.
    X 26896. 26896. 26896. 26896. 26896. 26896.
    X 26897. 26897. 26897. 26897. 26897. 26897.
    X 26897. 26897. 26897. 26897. 26897. 26897.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
530 X 29146. 29146. 29146. 29146. 29146. 29146.
    X 29147. 29147. 29147. 29147. 29147. 29147.
    X 29147. 29147. 29147. 29147. 29147. 29147.
    X 29147. 29147. 29147. 29147. 29147. 29147.
    X 00000. 00000. 00000. 00000. 00000. 00000/

535 DATA (X16 (JKL), JKL=325, 432)/
    X 31796. 31797. 31797. 31798. 31798. 31798.
    X 31799. 31799. 31799. 31799. 31799. 31799.
    X 26188. 26176. 26531. 27306. 27306. 27306.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 34924. 34924. 34924. 34924. 34924. 34924.
540 X 25460. 26872. 27170. 27206. 27462. 27709.
    X 28807. 28807. 28807. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 18590. 18591. 18592. 18593. 18593. 18594.
    X 38596. 38596. 38596. 38596. 38596. 38596.
545 X 28278. 28637. 29016. 30497. 30497. 30497.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000.
    X 42869. 42869. 42870. 42872. 42872. 42872.
    X 42869. 42870. 42870. 42872. 42872. 42872.
550 X 27219. 28790. 29366. 29924. 30486. 30486.
    X 32407. 32407. 32407. 00000. 00000. 00000.
    X 00000. 00000. 00000. 00000. 00000. 00000/

DATA (X16 (JKL), JKL=1, 108)/
X 00000. 00000. 00000. 00000. 00000. 00000.
DECK17 553
```

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555 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 554
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 555
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 556
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 557
X 04603. 04638. 04654. 04654. 04654. 04654. DECK17 558
X 00963. 01313. 01342. 02567. 02589. 02600. DECK17 559
560 X 03054. 03054. 03054. 000000. 000000. 000000. DECK17 560
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 561
X 04615. 04984. 07100. 07913. 07944. 07994. DECK17 562
X 08375. 08326. 08326. 03328. 04108. 04240. DECK17 563
X 05385. 05446. 05479. 05867. 05867. 05867. DECK17 564
565 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 565
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 566
X 09269. 09292. 09307. 09387. 09387. 09387. DECK17 567
X 06112. 06963. 07152. 07800. 07869. 07908. DECK17 568
X 08117. 08117. 08117. 000000. 000000. 000000. DECK17 569
570 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 570
DATA (X16 (JKL), JKL=109, 216)/
X 09537. 09552. 09559. 09568. 09572. 09574. DECK17 571
X 09581. 09581. 09581. 09581. 09581. 09581. DECK17 572
X 09587. 09587. 09587. 09587. 09587. 09587. DECK17 573
575 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 574
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 575
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 576
X 09601. 09601. 09601. 09601. 09601. 09601. DECK17 577
X 10264. 10264. 10264. 10264. 10264. 10264. DECK17 578
580 X 10849. 10849. 10849. 000000. 000000. 000000. DECK17 579
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 580
X 10383. 10383. 10383. 10383. 10383. 10383. DECK17 581
X 10383. 10383. 10383. 10383. 10383. 10383. DECK17 582
X 11438. 11462. 11473. 11484. 11484. 11484. DECK17 583
585 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 584
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 585
X 11112. 11112. 11112. 11112. 11112. 11112. DECK17 586
X 11646. 12001. 12057. 12052. 12071. 12079. DECK17 587
X 12084. 12084. 12084. 000000. 000000. 000000. DECK17 588
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 589
590 DATA (X16 (JKL), JKL=217, 324)/
X 11814. 11814. 11814. 11814. 11814. 11814. DECK17 590
X 11814. 11814. 11814. 12257. 12600. 12642. DECK17 591
X 12612. 12647. 12652. 12656. 12656. 12656. DECK17 592
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 593
595 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 594
X 12533. 12533. 12533. 12533. 12533. 12533. DECK17 595
X 12533. 12533. 12533. 12533. 12533. 12533. DECK17 596
X 13210. 13163. 13194. 13194. 13194. 13194. DECK17 597
X 13210. 13210. 13210. 000000. 000000. 000000. DECK17 598
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 599
600 X 13343. 13343. 13343. 13344. 13344. 13344. DECK17 600
X 13344. 13344. 13344. 13344. 13344. 13344. DECK17 601
X 13723. 13723. 13723. 13726. 13726. 13726. DECK17 602
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 603
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 604
605 X 14353. 14353. 14353. 14353. 14353. 14353. DECK17 605
X 14353. 14353. 14353. 14353. 14353. 14353. DECK17 606
X 14323. 14323. 14323. 000000. 000000. 000000. DECK17 607
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 608
DATA (X16 (JKL), JKL=325, 432)/
X 15710. 15711. 15711. 15711. 15711. 15712. DECK17 609
610 X 15712. 15712. 15712. 14392. 14703. 14719. DECK17 610
X 14722. 14738. 14756. 14933. 14933. 14933. DECK17 611
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 612
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 613
615 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 614
X 17611. 17612. 17612. 17613. 17613. 17613. DECK17 615
X 14873. 15181. 15202. 15216. 15250. 15293. DECK17 616
X 15630. 15630. 15630. 000000. 000000. 000000. DECK17 617
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 618
620 X 20293. 20294. 20294. 20296. 20296. 20296. DECK17 619
X 20296. 20296. 20296. 15338. 15650. 15692. DECK17 620
X 15720. 15787. 15880. 16464. 16464. 16464. DECK17 621
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 622
X 000000. 000000. 000000. 24053. 24054. 24055. DECK17 623
X 24057. 24058. 24058. 24061. 24061. 24061. DECK17 624
625 X 15790. 16118. 16208. 16258. 16377. 16556. DECK17 625
X 17502. 17502. 17502. 000000. 000000. 000000. DECK17 626
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 627
DATA (X17 (JKL), JKL=1, 108)/
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 628
630 X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 629
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 630
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 631
X 000000. 000000. 000000. 000000. 000000. 000000. DECK17 632
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635	X	00000	00000	00000	02211	02886	02886	DECK17	633
	X	01714	01714	01714	04020	04020	04020	DECK17	634
	X	00917	01229	01229	02179	02179	02179	DECK17	635
	X	00000	00000	00000	00000	00000	00000	DECK17	636
	X	00000	00000	00000	00000	00000	00000	DECK17	637
	X	04980	05213	05213	01411	01411	01411	DECK17	638
	X	05723	05723	05723	01314	01314	01314	DECK17	639
640	X	05223	05223	05223	05132	05132	05132	DECK17	640
	X	00000	00000	00000	00000	00000	00000	DECK17	641
	X	00000	00000	00000	00000	00000	00000	DECK17	642
	X	00000	00000	00000	00000	00000	00000	DECK17	643
	X	04081	04081	04081	00097	00097	00097	DECK17	644
	X	05723	05723	05723	00012	00012	00012	DECK17	645
645	X	00000	00000	00000	00000	00000	00000	DECK17	646
	X	00000	00000	00000	00000	00000	00000	DECK17	647
	X	DATA (X17 (JKL) JKL=109, 216) /						MOD1	38
	X	05132	05132	05132	05132	05132	05132	DECK17	648
	X	05132	05132	05132	05132	05132	05132	DECK17	649
650	X	05638	05638	05638	05638	05638	05638	DECK17	650
	X	00000	00000	00000	00000	00000	00000	DECK17	651
	X	00000	00000	00000	00000	00000	00000	DECK17	652
	X	00000	00000	00000	00000	00000	00000	DECK17	653
	X	05132	05132	05132	05132	05132	05132	DECK17	654
655	X	07045	07157	07157	07157	07157	07157	DECK17	655
	X	07191	07191	07191	00000	00000	00000	DECK17	656
	X	00000	00000	00000	00000	00000	00000	DECK17	657
	X	05638	05638	05638	05638	05638	05638	DECK17	658
	X	05638	05638	05638	07491	07491	07491	DECK17	659
	X	07410	07410	07410	07410	07410	07410	DECK17	660
660	X	00000	00000	00000	00000	00000	00000	DECK17	661
	X	00000	00000	00000	00000	00000	00000	DECK17	662
	X	07132	07132	07132	07132	07132	07132	DECK17	663
	X	07906	08014	08014	08014	08014	08014	DECK17	664
	X	08014	08014	08014	00000	00000	00000	DECK17	665
665	X	00000	00000	00000	00000	00000	00000	DECK17	666
	X	DATA (X17 (JKL) JKL=217, 324) /						MOD1	39
	X	07580	07580	07580	07580	07580	07580	DECK17	667
	X	07580	07580	07580	08192	08192	08192	DECK17	668
	X	08399	08399	08399	08399	08399	08399	DECK17	669
670	X	00000	00000	00000	00000	00000	00000	DECK17	670
	X	00000	00000	00000	00000	00000	00000	DECK17	671
	X	00000	00000	00000	08016	08016	08016	DECK17	672
	X	08016	08016	08016	08016	08016	08016	DECK17	673
	X	08016	08016	08016	08016	08016	08016	DECK17	674
675	X	08765	08765	0876					

	X	01994.	01994.	01994.	00000.	00000.	00000.	DECK17	712
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	713
715	X	03910.	04027.	04040.	04101.	04207.	04209.	DECK17	714
	X	04212.	04212.	04212.	04244.	04286.	04301.	DECK17	715
	X	03425.	03437.	03442.	03486.	03486.	03486.	DECK17	716
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	717
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	718
720	X	04122.	04128.	04128.	04128.	04128.	04128.	DECK17	719
	X	03964.	04242.	04286.	04192.	04199.	04402.	DECK17	720
	X	04412.	04412.	04412.	00000.	00000.	00000.	DECK17	721
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	722
		DATA (XIS (JKL), JKL=109, 216)/						MOD1	723
725	X	04191.	04191.	04191.	04191.	04191.	04191.	DECK17	724
	X	04191.	04191.	04191.	04191.	04191.	04191.	DECK17	725
	X	04924.	04927.	04928.	04929.	04929.	04929.	DECK17	726
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	727
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	728
730	X	04400.	04400.	04400.	04400.	04400.	04400.	DECK17	729
	X	05180.	05216.	05219.	05220.	05221.	05221.	DECK17	730
	X	05222.	05222.	05222.	00000.	00000.	00000.	DECK17	731
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	732
735	X	04774.	04774.	04774.	04774.	04774.	04774.	DECK17	733
	X	04774.	04774.	04774.	04774.	04774.	04774.	DECK17	734
	X	05512.	05512.	05512.	05512.	05512.	05512.	DECK17	735
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	736
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	737
	X	05121.	05121.	05121.	05121.	05121.	05121.	DECK17	738
	X	05121.	05121.	05121.	05121.	05121.	05121.	DECK17	739
740	X	05827.	05827.	05827.	05827.	05827.	05827.	DECK17	740
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	741
		DATA (XIS (JKL), JKL=217, 324)/						MOD1	742
745	X	05446.	05446.	05446.	05446.	05446.	05446.	DECK17	743
	X	05446.	05446.	05446.	05446.	05446.	05446.	DECK17	744
	X	06106.	06107.	06107.	06107.	06107.	06107.	DECK17	745
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	746
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	747
	X	05758.	05758.	05758.	05758.	05758.	05758.	DECK17	748
750	X	06374.	06374.	06374.	06374.	06374.	06374.	DECK17	749
	X	06375.	06375.	06375.	00000.	00000.	00000.	DECK17	750
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	751
	X	06067.	06067.	06067.	06067.	06067.	06067.	DECK17	752
755	X	06067.	06067.	06067.	06067.	06067.	06067.	DECK17	753
	X	06631.	06631.	06631.	06632.	06632.	06632.	DECK17	754
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	755
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	756
	X	06435.	06435.	06435.	06435.	06435.	06435.	DECK17	757
	X	06851.	06873.	06873.	06873.	06873.	06873.	DECK17	758
760	X	06882.	06882.	06882.	00000.	00000.	00000.	DECK17	759
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	760
		DATA (XIS (JKL), JKL=325, 432)/						MOD1	761
	X	07006.	07006.	07006.	07006.	07006.	07006.	DECK17	762
	X	07007.	07007.	07007.	07007.	07117.	07117.	DECK17	763
765	X	07117.	07117.	07117.	07117.	07117.	07117.	DECK17	764
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	765
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	766
	X	08127.	08127.	08127.	08127.	08127.	08127.	DECK17	767
	X	07321.	07348.	07348.	07348.	07348.	07348.	DECK17	768
770	X	07403.	07403.	07403.	00000.	00000.	00000.	DECK17	769
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	770
	X	10511.	10512.	10512.	10512.	10512.	10512.	DECK17	771
	X	10512.	10512.	10512.	07445.	07445.	07445.	DECK17	772
775	X	07575.	07580.	07590.	07732.	07732.	07732.	DECK17	773
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	774
	X	00000.	00000.	00000.	15513.	15514.	15514.	DECK17	775
	X	15519.	15520.	15521.	15522.	15522.	15522.	DECK17	776
	X	07762.	07790.	07795.	07801.	07817.	07849.	DECK17	777
	X	08198.	08198.	08198.	00000.	00000.	00000.	DECK17	778
	X	00000.	00000.	00000.	00000.	00000.	00000.	DECK17	779
780		DATA (XIST(JKL), JKL=1, 10817)						MOD1	780
	X	2.40646.	1.68379.	72376.	2.40646.	1.68379.	72376.	DECK17	781
	X	2.40646.	1.68379.	72376.	1.84670.	1.13472.	45833.	DECK17	782
	X	2.25319.	1.45489.	60418.	2.58170.	1.79812.	77050.	DECK17	783
785	X	1.11980.	63775.	24817.	1.97117.	1.20633.	48613.	DECK17	784
	X	2.74566.	1.90558.	81456.	48836.	26306.	09708.	DECK17	785
	X	1.62530.	95357.	37425.	2.90029.	2.00729.	85636.	DECK17	786
	X	10132.	05229.	01862.	1.25446.	71084.	27249.	DECK17	787
	X	3.04704.	2.10408.	89621.	00000.	00000.	00000.	DECK17	788
790	X	89255.	49111.	18431.	3.18699.	2.19460.	93436.	DECK17	789
	X	00000.	00000.	00000.	93335.	51287.	19233.	DECK17	790

	X	3	32103.	2	28517.	97101.	00000.	00000.	00000.	DECK17	791
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	792
	X	3	07521.	2	00000.	00000.	00000.	00000.	00000.	DECK17	793
795	X	1	04621.	2	00000.	00000.	00000.	00000.	00000.	DECK17	794
	X	3	00000.	2	00000.	00000.	00000.	00000.	00000.	DECK17	795
	X	3	01018.	2	00000.	00000.	00000.	00000.	00000.	DECK17	796
	X	1	11511.	2	00000.	00000.	00000.	00000.	00000.	DECK17	797
	X		DATA (X131(JKL), JKL=109, 144)/							MOD1	798
800	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	800
	X	4	01261.	2	00000.	00000.	00000.	00000.	00000.	DECK17	801
	X	1	18000.	2	00000.	00000.	00000.	00000.	00000.	DECK17	802
	X	4	24319.	2	00000.	00000.	00000.	00000.	00000.	DECK17	803
805	X	1	24156.	2	00000.	00000.	00000.	00000.	00000.	DECK17	804
	X		DATA (X132(JKL), JKL=1, 108)/							MOD1	805
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	807
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	808
810	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	809
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	810
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	811
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	812
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	813
815	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	814
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	815
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	816
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	817
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	818
820	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	819
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	820
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	821
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	822
825	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	823
	X		DATA (X147(JKL), JKL=109, 144)/							MOD1	824
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	825
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	826
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	827
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	828
830	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	829
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	830
	X		DATA (X132(JKL), JKL=1, 108)/							MOD1	831
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	832
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	833
835	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	834
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	835
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	836
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	837
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	838
840	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	839
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	840
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	841
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	842
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	843
845	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	844
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	845
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	846
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	847
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	848
850	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	849
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	850
	X		DATA (X132(JKL), JKL=109, 144)/							MOD1	851
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	852
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	853
855	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	854
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	855
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	856
	X		DATA (X148(JKL), JKL=1, 108)/							MOD1	857
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	858
860	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	859
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	860
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	861
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	862
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	863
865	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	864
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	865
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	866
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	867
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	868
	X		00000.		00000.	00000.	00000.	00000.	00000.	DECK17	869

```
870      X 17284. 08235. 00000. 98626. 69387. 00000. DECK17 870
      X 00000. 00000. 00000. 17920. 08517. 00000. DECK17 871
      X 1. 01384. 71519. 00000. 00000. 00000. DECK17 872
      X 18836. 08235. 00000. 1. 08072. 72638. 00000. DECK17 873
      X 00000. 00000. 00000. 00000. 19130. 09110. 00000. DECK17 874
      X 1. 06705. 75644. 00000. 00000. 00000. DECK17 875
      X 19707. 09384. 00000. 1. 09276. 77645. 00000. DECK17 876
      DATA (X113(JKL), JKL=109, 144)/
      X 00000. 00000. 00000. 20267. 09449. 00000. DECK17 878
      X 1. 11792. 79578. 00000. 00000. 00000. DECK17 879
      X 20813. 09988. 00000. 1. 14255. 81461. 00000. DECK17 880
      X 00000. 00000. 00000. 21385. 10168. 00000. DECK17 881
      X 1. 16449. 83318. 00000. 00000. 00000. DECK17 882
      X 21863. 10486. 00000. 1. 19836. 85119. 00000. DECK17 883
      DATA (X113(JKL), JKL=1, 108)/
      X 00000. 23413. 23113. 0. 00000. 23113. 32133. DECK17 885
      X 0 00000. 23414. 43114. 0. 00000. 13817. 24118. DECK17 886
      X 0 00000. 19288. 34384. 0. 00000. 25424. 46537. DECK17 887
      X 0 00000. 06198. 10437. 0. 00000. 14858. 25818. DECK17 888
      X 0 00000. 27284. 32706. 0. 00000. 01788. 02311. DECK17 889
      X 0 00000. 10433. 18126. 0. 00000. 29028. 62834. DECK17 890
      X 0 00000. 00184. 00294. 0. 00000. 04992. 11725. DECK17 891
      X 0 00000. 30671. 55501. 0. 00000. 00000. 00000. DECK17 892
      X 0 00000. 09125. 04823. 0. 00000. 32231. 58180. DECK17 893
      X 0 00000. 00000. 00000. 0. 00000. 04321. 07139. DECK17 894
      X 0 00000. 33718. 60742. 0. 00000. 00000. 00000. DECK17 895
      X 0 00000. 04508. 07443. 0. 00000. 35142. 63199. DECK17 896
      X 0 00000. 00000. 00000. 0. 00000. 03688. 07735. DECK17 897
      X 0 00000. 76311. 65564. 0. 00000. 00000. 00000. DECK17 898
      X 0 00000. 04841. 08015. 0. 00000. 37831. 67846. DECK17 899
      X 0 00000. 00000. 00000. 0. 00000. 05029. 08284. DECK17 900
      X 0 00000. 32105. 70859. 0. 00000. 00000. 00000. DECK17 901
      X 0 00000. 05191. 08549. 0. 00000. 40340. 72195. DECK17 902
      DATA (X113(JKL), JKL=109, 144)/
      X 0 00000. 00000. 00000. 0. 00000. 05348. 08804. DECK17 904
      X 0 00000. 31538. 79273. 0. 00000. 00000. 00000. DECK17 905
      X 0 00000. 00000. 09862. 0. 00000. 42702. 76295. DECK17 906
      X 0 00000. 00000. 00000. 0. 00000. 05649. 09293. DECK17 907
      X 0 00000. 43835. 78264. 0. 00000. 00000. 00000. DECK17 908
      X 0. 05793. 09522. 0. 0. 4425. 88184. DECK17 909
      DATA (X114(JKL), JKL=1, 108)/
      X 0 00000. 22193. 39047. 0. 00000. 22193. 39048. DECK17 912
      X 0 00000. 22193. 39048. 0. 00000. 10086. 16248. DECK17 913
      X 0 00000. 16340. 27105. 0. 00000. 29182. 42150. DECK17 914
      X 0 00000. 02948. 04498. 0. 00000. 10842. 17485. DECK17 915
      X 0 00000. 25870. 45037. 0. 00000. 09427. 00626. DECK17 916
      X 0 00000. 06417. 09993. 0. 00000. 27528. 47748. DECK17 917
      X 0 00000. 00012. 00017. 0. 00000. 01323. 05049. DECK17 918
      X 0 00000. 29086. 50313. 0. 00000. 00000. 00000. DECK17 919
      X 0 00000. 01451. 02161. 0. 00000. 30546. 52753. DECK17 920
      X 0 00000. 00000. 00000. 0. 00000. 01521. 02262. DECK17 921
      X 0 00000. 11279. 55889. 0. 00000. 00000. 00000. DECK17 922
      X 0 00000. 01587. 02189. 0. 00000. 33331. 57320. DECK17 923
      X 0 00000. 00000. 00000. 0. 00000. 01658. 02451. DECK17 924
      X 0 00000. 34631. 59472. 0. 00000. 00000. 00000. DECK17 925
      X 0 00000. 01711. 02541. 0. 00000. 35883. 61548. DECK17 926
      X 0 00000. 00000. 00000. 0. 00000. 01770. 02627. DECK17 927
      X 0 00000. 37093. 63557. 0. 00000. 00000. 00000. DECK17 928
      X 0 00000. 01827. 02711. 0. 00000. 38265. 65504. DECK17 929
      DATA (X114(JKL), JKL=109, 144)/
      X 0 00000. 00000. 00000. 0. 00000. 01882. 02792. DECK17 931
      X 0 00000. 39403. 67394. 0. 00000. 00000. 00000. DECK17 932
      X 0 00000. 01936. 02871. 0. 00000. 40508. 69233. DECK17 933
      X 0 00000. 00000. 00000. 0. 00000. 01988. 02947. DECK17 934
      X 0 00000. 31584. 71024. 0. 00000. 00000. 00000. DECK17 935
      X 0. 02039. 03022. 0. 0. 42632. 72771. DECK17 936
      DATA (X19(JKL), JKL=1, 108)/
      X 00000. 00000. 00000. 04263. 06232. 08127. DECK17 939
      X 13883. 13883. 13883. 13883. 00000. 00000. DECK17 940
      X 04263. 06232. 08127. 13883. 13883. 13883. DECK17 941
      X 00000. 00000. 00000. 04263. 06232. 08127. DECK17 942
      X 13883. 13883. 13883. 00000. 00000. 00000. DECK17 943
      X 04263. 06232. 08127. 13883. 13883. 13883. DECK17 944
      X 00000. 00000. 00000. 04263. 06232. 08127. DECK17 945
      X 13883. 13883. 13883. 00000. 00000. 00000. DECK17 946
      X 04263. 06232. 08127. 13883. 13883. 13883. DECK17 947
      X 00000. 00000. 00000. 04263. 06232. 08127. DECK17 948
      X 13883. 13883. 13883. 00000. 00000. 00000. DECK17 949
      X 04263. 06232. 08127. 13883. 13883. 13883. DECK17 950
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950	X	00000	00000	00000	04263	04232	08127	DECK17	951
	X	13883	13883	13883	00000	00000	00000	DECK17	952
	X	04263	04232	08127	13883	13883	13883	DECK17	953
	X	13883	13883	13883	00000	00000	00000	DECK17	954
955	X	DATA (X19 (JKL) JKL=109			13883	13883	13883	DECK17	955
	X	00000	00000	00000	04263	04232	08127	DECK17	956
	X	13883	13883	13883	00000	00000	00000	DECK17	957
	X	04263	04232	08127	13883	13883	13883	DECK17	958
960	X	13883	13883	13883	00000	00000	00000	DECK17	959
	X	04263	04232	08127	13883	13883	13883	DECK17	960
	X	13883	13883	13883	00000	00000	00000	DECK17	961
	X	04263	04232	08127	13883	13883	13883	DECK17	962
965	X	13883	13883	13883	00000	00000	00000	DECK17	963
	X	04263	04232	08127	13883	13883	13883	DECK17	964
	X	13883	13883	13883	00000	00000	00000	DECK17	965
	X	04263	04232	08127	13883	13883	13883	DECK17	966
970	X	13883	13883	13883	00000	00000	00000	DECK17	967
	X	04263	04232	08127	13883	13883	13883	DECK17	968
	X	13883	13883	13883	00000	00000	00000	DECK17	969
	X	04263	04232	08127	13883	13883	13883	DECK17	970
975	X	DATA (X19 (JKL) JKL=217			13883	13883	13883	DECK17	971
	X	00000	00000	00000	04263	04232	08127	DECK17	972
	X	13883	13883	13883	00000	00000	00000	DECK17	973
	X	04263	04232	08127	13883	13883	13883	DECK17	974
980	X	13883	13883	13883	00000	00000	00000	DECK17	975
	X	04263	04232	08127	13883	13883	13883	DECK17	976
	X	13883	13883	13883	00000	00000	00000	DECK17	977
	X	04263	04232	08127	13883	13883	13883	DECK17	978
985	X	13883	13883	13883	00000	00000	00000	DECK17	979
	X	04263	04232	08127	13883	13883	13883	DECK17	980
	X	13883	13883	13883	00000	00000	00000	DECK17	981
	X	04263	04232	08127	13883	13883	13883	DECK17	982
990	X	13883	13883	13883	00000	00000	00000	DECK17	983
	X	04263	04232	08127	13883	13883	13883	DECK17	984
	X	13883	13883	13883	00000	00000	00000	DECK17	985
	X	04263	04232	08127	13883	13883	13883	DECK17	986
995	X	DATA (X19 (JKL) JKL=325			13883	13883	13883	DECK17	987
	X	00000	00000	00000	04263	04232	08127	DECK17	988
	X	13883	13883	13883	00000	00000	00000	DECK17	989
	X	04263	04232	08127	13883	13883	13883	DECK17	990
1000	X	13883	13883	13883	00000	00000	00000	DECK17	991
	X	04263	04232	08127	13883	13883	13883	DECK17	992
	X	13883	13883	13883	00000	00000	00000	DECK17	993
	X	04263	04232	08127	13883	13883	13883	DECK17	994
1005	X	13883	13883	13883					

1030	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1030
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1031
	X	03771.	05377.	06864.	10365.	10365.	10365./	DECK17	1032
		DATA (X110(JKL), JKL=109, 321)/						MOD1	65
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1034
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1035
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1036
1035	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1037
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1038
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1039
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1040
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1041
1040	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1042
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1043
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1044
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1045
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1046
1045	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1047
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1048
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1049
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1050
1050	X	03771.	05377.	06864.	10365.	10365.	10365./	DECK17	1051
		DATA (X110(JKL), JKL=217, 321)/						MOD1	65
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1053
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1054
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1055
1055	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1056
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1057
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1058
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1059
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1060
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1061
1060	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1062
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1063
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1064
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1065
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1066
1065	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1067
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1068
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1069
	X	03771.	05377.	06864.	10365.	10365.	10365./	DECK17	1070
		DATA (X110(JKL), JKL=325, 432)/						MOD1	66
1070	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1072
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1073
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1074
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1075
1075	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1076
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1077
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1078
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1079
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1080
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1081
1080	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1082
	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1083
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1084
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1085
1085	X	03771.	05377.	06864.	10365.	10365.	10365.	DECK17	1086
	X	00000.	00000.	00000.	03771.	05377.	06864.	DECK17	1087
	X	10365.	10365.	10365.	00000.	00000.	00000.	DECK17	1088
	X	03771.	05377.	06864.	10365.	10365.	10365./	DECK17	1089
		DATA (X111(JKL), JKL=1, 1081)/						MOD1	67
1090	X	00000.	00000.	00000.	03351.	04664.	05835.	DECK17	1091
	X	08007.	08007.	08007.	00000.	00000.	00000.	DECK17	1092
	X	03351.	04664.	05835.	08007.	08007.	08007.	DECK17	1093
	X	00000.	00000.	00000.	03351.	04664.	05835.	DECK17	1094
	X	08007.	08007.	08007.	00000.	00000.	00000.	DECK17	1095
1095	X	03351.	04664.	05835.	08007.	08007.	08007.	DECK17	1096
	X	00000.	00000.	00000.	03351.	04664.	05835.	DECK17	1097
	X	08007.	08007.	08007.	00000.	00000.	00000.	DECK17	1098
	X	03351.	04664.	05835.	08007.	08007.	08007.	DECK17	1099
	X	00000.	00000.	00000.	03351.	04664.	05835.	DECK17	1100
	X	08007.	08007.	08007.	00000.	00000.	00000.	DECK17	1101
1100	X	03351.	04664.	05835.	08007.	08007.	08007.	DECK17	1102
	X	00000.	00000.	00000.	03351.	04664.	05835.	DECK17	1103
	X	08007.	08007.	08007.	00000.	00000.	00000.	DECK17	1104
	X	03351.	04664.	05835.	08007.	08007.	08007.	DECK17	1105
	X	00000.	00000.	00000.	03351.	04664.	05835.	DECK17	1106
1105	X	08007.	08007.	08007.	00000.	00000.	00000.	DECK17	1107
	X	03351.	04664.	05835.	08007.	08007.	08007./	DECK17	1108


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DATA (X11(JKL), JKL=109, 216) /
X 00000 00000 00000 01351 04664 05835 MOD1 68
X 08007 08007 08007 08007 08007 08007 DECK17 1110
X 01351 04664 05835 01351 04664 05835 DECK17 1111
1110 X 00000 00000 00000 01351 04664 05835 DECK17 1112
X 08007 08007 08007 08007 08007 08007 DECK17 1113
X 01351 04664 05835 01351 04664 05835 DECK17 1114
X 00000 00000 00000 08007 08007 08007 DECK17 1115
1115 X 08007 08007 08007 08007 08007 08007 DECK17 1116
X 01351 04664 05835 01351 04664 05835 DECK17 1117
X 00000 00000 00000 08007 08007 08007 DECK17 1118
X 01351 04664 05835 01351 04664 05835 DECK17 1119
1120 X 00000 00000 00000 08007 08007 08007 DECK17 1120
X 08007 08007 08007 01351 04664 05835 DECK17 1121
X 01351 04664 05835 01351 04664 05835 DECK17 1122
X 00000 00000 00000 01351 04664 05835 DECK17 1123
1125 X 08007 08007 08007 08007 08007 08007 DECK17 1124
X 01351 04664 05835 01351 04664 05835 DECK17 1125
DATA (X11(JKL), JKL=217, 412) /
X 00000 00000 00000 01351 04664 05835 MOD1 69
X 08007 08007 08007 08007 08007 08007 DECK17 1126
X 01351 04664 05835 01351 04664 05835 DECK17 1127
1130 X 00000 00000 00000 01351 04664 05835 DECK17 1128
X 08007 08007 08007 08007 08007 08007 DECK17 1129
X 01351 04664 05835 01351 04664 05835 DECK17 1130
X 00000 00000 00000 08007 08007 08007 DECK17 1131
1135 X 08007 08007 08007 01351 04664 05835 DECK17 1132
X 01351 04664 05835 01351 04664 05835 DECK17 1133
X 00000 00000 00000 08007 08007 08007 DECK17 1134
X 01351 04664 05835 01351 04664 05835 DECK17 1135
1140 X 00000 00000 00000 08007 08007 08007 DECK17 1136
X 08007 08007 08007 01351 04664 05835 DECK17 1137
X 01351 04664 05835 01351 04664 05835 DECK17 1138
X 00000 00000 00000 08007 08007 08007 DECK17 1139
1145 X 08007 08007 08007 01351 04664 05835 DECK17 1140
X 01351 04664 05835 01351 04664 05835 DECK17 1141
DATA (X11(JKL), JKL=413, 612) /
X 00000 00000 00000 01351 04664 05835 MOD1 70
X 08007 08007 08007 08007 08007 08007 DECK17 1142
X 01351 04664 05835 01351 04664 05835 DECK17 1143
1150 X 00000 00000 00000 08007 08007 08007 DECK17 1144
X 08007 08007 08007 01351 04664 05835 DECK17 1145
X 01351 04664 05835 01351 04664 05835 DECK17 1146
X 00000 00000 00000 08007 08007 08007 DECK17 1147
1155 X 08007 08007 08007 01351 04664 05835 DECK17 1148
X 01351 04664 05835 01351 04664 05835 DECK17 1149
X 00000 00000 00000 08007 08007 08007 DECK17 1150
X 01351 04664 05835 01351 04664 05835 DECK17 1151
1160 X 00000 00000 00000 08007 08007 08007 DECK17 1152
X 08007 08007 08007 01351 04664 05835 DECK17 1153
X 01351 04664 05835 01351 04664 05835 DECK17 1154
X 00000 00000 00000 08007 08007 08007 DECK17 1155
1165 X 08007 08007 08007 01351 04664 05835 DECK17 1156
X 01351 04664 05835 01351 04664 05835 DECK17 1157
DATA (X12(JKL), JKL=1, 108) /
X 00000 00000 00000 02990 04067 04991 MOD1 71
X 06364 06364 06364 00000 00000 00000 DECK17 1167
X 02990 04067 04991 06364 06364 06364 DECK17 1168
1170 X 00000 00000 00000 02990 04067 04991 DECK17 1169
X 06364 06364 06364 00000 00000 00000 DECK17 1170
X 02990 04067 04991 06364 06364 06364 DECK17 1171
X 00000 00000 00000 02990 04067 04991 DECK17 1172
X 06364 06364 06364 00000 00000 00000 DECK17 1173
1175 X 02990 04067 04991 06364 06364 06364 DECK17 1174
X 00000 00000 00000 02990 04067 04991 DECK17 1175
X 06364 06364 06364 00000 00000 00000 DECK17 1176
X 02990 04067 04991 06364 06364 06364 DECK17 1177
1180 X 00000 00000 00000 02990 04067 04991 DECK17 1178
X 06364 06364 06364 00000 00000 00000 DECK17 1179
X 02990 04067 04991 06364 06364 06364 DECK17 1180
X 00000 00000 00000 02990 04067 04991 DECK17 1181
1185 X 06364 06364 06364 00000 00000 00000 DECK17 1182
X 02990 04067 04991 06364 06364 06364 DECK17 1183
DATA (X12(JKL), JKL=109, 216) /
X 00000 00000 00000 02990 04067 04991 MOD1 72
X 06364 06364 06364 00000 00000 00000 DECK17 1184
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	X	02990	04067	04991	06364	06364	06364	DECK17	1188
	X	00000	00000	00000	02990	04067	04991	DECK17	1189
	X	06364	06364	06364	00000	00000	00000	DECK17	1190
	X	02990	04067	04991	06364	06364	06364	DECK17	1191
1190	X	00000	00000	00000	02990	04067	04991	DECK17	1192
	X	06364	06364	06364	00000	00000	00000	DECK17	1193
	X	02990	04067	04991	06364	06364	06364	DECK17	1194
	X	00000	00000	00000	02990	04067	04991	DECK17	1195
	X	06364	06364	06364	00000	00000	00000	DECK17	1196
1195	X	02990	04067	04991	06364	06364	06364	DECK17	1197
	X	00000	00000	00000	02990	04067	04991	DECK17	1198
	X	06364	06364	06364	00000	00000	00000	DECK17	1199
	X	02990	04067	04991	06364	06364	06364	DECK17	1200
	X	00000	00000	00000	02990	04067	04991	DECK17	1201
1200	X	06364	06364	06364	00000	00000	00000	DECK17	1202
	X	02990	04067	04991	06364	06364	06364	DECK17	1203
	X	DATA (X112(JKL), JKL=217, 324)/						MOD1	73
	X	00000	00000	00000	02990	04067	04991	DECK17	1205
1205	X	06364	06364	06364	00000	00000	00000	DECK17	1206
	X	02990	04067	04991	06364	06364	06364	DECK17	1207
	X	00000	00000	00000	02990	04067	04991	DECK17	1208
	X	06364	06364	06364	00000	00000	00000	DECK17	1209
	X	02990	04067	04991	06364	06364	06364	DECK17	1210
	X	00000	00000	00000	02990	04067	04991	DECK17	1211
1210	X	06364	06364	06364	00000	00000	00000	DECK17	1212
	X	02990	04067	04991	06364	06364	06364	DECK17	1213
	X	00000	00000	00000	02990	04067	04991	DECK17	1214
	X	06364	06364	06364	00000	00000	00000	DECK17	1215
	X	02990	04067	04991	06364	06364	06364	DECK17	1216
1215	X	00000	00000	00000	02990	04067	04991	DECK17	1217
	X	06364	06364	06364	00000	00000	00000	DECK17	1218
	X	02990	04067	04991	06364	06364	06364	DECK17	1219
	X	00000	00000	00000	02990	04067	04991	DECK17	1220
1220	X	06364	06364	06364	00000	00000	00000	DECK17	1221
	X	02990	04067	04991	06364	06364	06364	DECK17	1222
	X	DATA (X112(JKL), JKL=325, 432)/						MOD1	74
	X	00000	00000	00000	02990	04067	04991	DECK17	1224
	X	06364	06364	06364	00000	00000	00000	DECK17	1225
1225	X	02990	04067	04991	06364	06364	06364	DECK17	1226
	X	00000	00000	00000	02990	04067	04991	DECK17	1227
	X	06364	06364	06364	00000	00000	00000	DECK17	1228
	X	02990	04067	04991	06364	06364	06364	DECK17	1229
	X	00000	00000	00000	02990	04067	04991	DECK17	1230
	X	06364	06364	06364	00000	00000	00000	DECK17	1231
1230	X	02990	04067	04991	06364	06364	06364	DECK17	1232
	X	00000	00000	00000	02990	04067	04991	DECK17	1233
	X	06364	06364	06364	00000	00000	00000	DECK17	1234
	X	02990	04067	04991	06364	06364	06364	DECK17	1235
	X	00000	00000	00000	02990	04067	04991	DECK17	1236
1235	X	06364	06364	06364	00000	00000	00000	DECK17	1237
	X	02990	04067	04991	06364	06364	06364	DECK17	1238
	X	00000	00000	00000	02990	04067	04991	DECK17	1239
	X	06364	06364	06364	00000	00000	00000	DECK17	1240
1240	X	02990	04067	04991	06364	06364	06364	DECK17	1241
	X	DATA (X117(JKL), JKL=108, 216)/						MOD1	75
	X	1767E-04	1767E-04	1767E-04	2260	2260	2260	DECK17	1243
	X	1767E-04	1767E-04	1767E-04	1767E-04	1767E-04	1767E-04	DECK17	1244
	X	2260	2260	2260	1767E-04	1767E-04	1767E-04	DECK17	1245
1245	X	1767E-04	1767E-04	1767E-04	2260	2260	2260	DECK17	1246
	X	1767E-04	1767E-04	1767E-04	1767E-04	1767E-04	1767E-04	DECK17	1247
	X	1255	1255	1255	4093	4093	4093	DECK17	1248
	X	-12.53	-12.44	-12.43	-9.426	-9.408	-9.399	DECK17	1249
	X	-7.083	-7.083	-7.083	-39.29	-37.32	-37.23	DECK17	1250
	X	-28.02	-28.78	-28.68	-21.48	-21.48	-21.48	DECK17	1251
1250	X	1255	1255	1255	1934	1934	1934	DECK17	1252
	X	4321	4321	4321	-30.88	-30.49	-30.38	DECK17	1253
	X	-24.06	-23.97	-23.92	-19.54	-19.54	-19.54	DECK17	1254
	X	-111.0	-99.43	-98.34	-78.23	-77.23	-76.59	DECK17	1255
	X	-59.71	-59.71	-59.71	4093	4093	4093	DECK17	1256
1255	X	4321	4321	4321	4445	4445	4445	DECK17	1257
	X	-49.07	-48.37	-48.08	-40.14	-39.97	-39.86	DECK17	1258
	X	-39.68	-39.68	-39.68	-203.7	-173.5	-169.2	DECK17	1259
	X	-140.8	-136.3	-133.9	-107.9	-107.9	-107.9	DECK17	1260
	X	DATA (X117(JKL), JKL=109, 216)/						MOD1	76
	X	4445	4445	4445	4476	4476	4476	DECK17	1262
1260	X	4493	4493	4493	-66.11	-65.26	-64.81	DECK17	1263
	X	-57.18	-56.94	-56.79	-51.94	-51.94	-51.94	DECK17	1264
	X	-313.4	-255.9	-246.0	-212.1	-203.2	-198.3	DECK17	1265
	X	-164.0	-164.0	-164.0	4494	4494	4494	DECK17	1266

1265	X-4494	X-4494	X-4494	X-4494	X-4494	X-4494	DECK17	1267
	X-82.75	X-81.27	X-81.27	X-78.39	X-78.19	X-78.03	DECK17	1268
	X-281.5	X-274.2	X-268.6	X-227.7	X-225.2	X-222.6	DECK17	1269
1270	X-17.22	X-17.22	X-17.22	X-138.2	X-137.2	X-136.2	DECK17	1271
	X-124.1	X-123.6	X-123.1	X-118.0	X-118.0	X-118.0	DECK17	1272
	X-524.8	X-521.0	X-517.2	X-499.8	X-499.8	X-499.8	DECK17	1273
	X-296.5	X-294.5	X-292.5	X-281.0	X-281.0	X-281.0	DECK17	1274
1275	X-496.5	X-495.5	X-494.5	X-489.0	X-489.0	X-489.0	DECK17	1275
	X-194.8	X-191.8	X-189.8	X-179.0	X-179.0	X-179.0	DECK17	1276
	X-121.0	X-121.0	X-121.0	X-170.6	X-170.6	X-170.6	DECK17	1277
	X-471.0	X-461.0	X-451.0	X-370.6	X-370.6	X-370.6	DECK17	1278
	DATA (X117(JKL), JKL=217, 326)/						MOD1	77
1280	X-91.37	X-91.37	X-91.37	X-91.37	X-91.37	X-91.37	DECK17	1281
	X-242.0	X-240.0	X-238.0	X-231.1	X-231.1	X-231.1	DECK17	1282
	X-883.6	X-879.6	X-875.6	X-809.9	X-809.9	X-809.9	DECK17	1283
	X-450.6	X-450.6	X-450.6	X-140.9	X-140.9	X-140.9	DECK17	1284
1285	X-139.7	X-138.7	X-137.7	X-108.8	X-108.8	X-108.8	DECK17	1285
	X-297.7	X-297.7	X-297.7	X-108.8	X-108.8	X-108.8	DECK17	1286
	X-675.3	X-675.3	X-675.3	X-636.2	X-636.2	X-636.2	DECK17	1287
	X-197.1	X-197.1	X-197.1	X-197.1	X-197.1	X-197.1	DECK17	1288
1290	X-382.9	X-380.9	X-378.9	X-368.7	X-368.7	X-368.7	DECK17	1289
	X-1233.3	X-1233.3	X-1233.3	X-693.2	X-693.2	X-693.2	DECK17	1290
	X-624.5	X-624.5	X-624.5	X-259.3	X-259.3	X-259.3	DECK17	1291
	X-289.5	X-289.5	X-289.5	X-289.5	X-289.5	X-289.5	DECK17	1292
1295	X-492.5	X-479.5	X-471.5	X-460.9	X-460.9	X-460.9	DECK17	1293
	X-444.5	X-444.5	X-444.5	X-1421.1	X-1421.1	X-1421.1	DECK17	1294
	X-901.5	X-832.5	X-791.0	X-718.2	X-718.2	X-718.2	DECK17	1295
	DATA (X117(JKL), JKL=325, 432)/						MOD1	78
1300	X-326.8	X-326.8	X-326.8	X-326.8	X-326.8	X-326.8	DECK17	1300
	X-543.5	X-543.5	X-543.5	X-543.5	X-543.5	X-543.5	DECK17	1301
	X-1618.1	X-1618.1	X-1618.1	X-1024.2	X-1024.2	X-1024.2	DECK17	1302
	X-816.1	X-816.1	X-816.1	X-399.4	X-399.4	X-399.4	DECK17	1303
	X-399.4	X-399.4	X-399.4	X-399.4	X-399.4	X-399.4	DECK17	1304
1305	X-670.9	X-661.9	X-652.9	X-621.1	X-621.1	X-621.1	DECK17	1305
	X-609.6	X-609.6	X-609.6	X-1107.9	X-1107.9	X-1107.9	DECK17	1306
	X-1148.7	X-1054.7	X-998.7	X-917.9	X-917.9	X-917.9	DECK17	1307
	X-476.7	X-476.7	X-476.7	X-476.7	X-476.7	X-476.7	DECK17	1308
	X-476.7	X-476.7	X-476.7	X-744.1	X-744.1	X-744.1	DECK17	1309
1310	X-721.5	X-715.5	X-710.7	X-698.5	X-698.5	X-698.5	DECK17	1310
	X-2036.4	X-1393.4	X-1220.4	X-1171.1	X-1171.1	X-1171.1	DECK17	1311
	X-1024.4	X-1024.4	X-1024.4	X-558.4	X-558.4	X-558.4	DECK17	1312
	X-558.4	X-558.4	X-558.4	X-558.4	X-558.4	X-558.4	DECK17	1313
	X-856.6	X-840.6	X-823.8	X-809.6	X-809.6	X-809.6	DECK17	1314
1315	X-791.2	X-						

1345	X- 3813	- 3714	- 3652	- 2104	- 2104	- 2104	DECK17	1346
	X- 8851E-03	- 8851E-03	- 8851E-03	- 8851E-03	- 8851E-03	- 8851E-03	DECK17	1347
	X- 8851E-03	- 8851E-03	- 8851E-03	- 1458	- 1433	- 1417	DECK17	1348
	X- 9198E-01	- 9107E-01	- 9072E-01	- 8821E-01	- 8821E-01	- 8821E-01	DECK17	1349
	X- 6152	- 5927	- 5818	- 4603	- 4466	- 4376	DECK17	1350
1350	X- 2543	- 2543	- 2543	- 3131E-02	- 3131E-02	- 3131E-02	DECK17	1351
	X- 3131E-02	- 3131E-02	- 3131E-02	- 3131E-02	- 3131E-02	- 3131E-02	DECK17	1352
	X- 1887	- 1884	- 1816	- 1196	- 1180	- 1167	DECK17	1353
	X- 6349E-01	- 6349E-01	- 6349E-01	- 7217	- 6931	- 6776	DECK17	1354
	X- 5403	- 5224	- 5102	- 2989	- 2989	- 2989	DECK17	1355
	DATA (X133(JKL), JKL=217, 324)/						MOD1	81
1355	X- 6318E-02	- 6318E-02	- 6318E-02	- 6318E-02	- 6318E-02	- 6318E-02	DECK17	1357
	X- 6318E-02	- 6318E-02	- 6318E-02	- 7926E-01	- 7926E-01	- 7926E-01	DECK17	1358
	X- 1477	- 1453	- 1433	- 7926E-01	- 7926E-01	- 7926E-01	DECK17	1359
	X- 8293	- 7944	- 7735	- 6214	- 5989	- 5832	DECK17	1360
	X- 3551	- 3551	- 3551	- 1018E-01	- 1018E-01	- 1018E-01	DECK17	1361
1360	X- 1018E-01	- 1018E-01	- 1018E-01	- 1018E-01	- 1018E-01	- 1018E-01	DECK17	1362
	X- 2766	- 2675	- 2609	- 1764	- 1730	- 1701	DECK17	1363
	X- 9545E-01	- 9545E-01	- 9545E-01	- 9380	- 8947	- 8697	DECK17	1364
	X- 7079	- 6782	- 6568	- 1900	- 1900	- 1900	DECK17	1365
	X- 1455E-01	- 1455E-01	- 1455E-01	- 1455E-01	- 1455E-01	- 1455E-01	DECK17	1366
1365	X- 1455E-01	- 1455E-01	- 1455E-01	- 3216	- 3095	- 3007	DECK17	1367
	X- 2056	- 2011	- 1972	- 1120	- 1120	- 1120	DECK17	1368
	X- 1 048	- 9993	- 9662	- 786	- 7540	- 7303	DECK17	1369
	X- 1930E-01	- 1930E-01	- 1930E-01	- 1930E-01	- 1930E-01	- 1930E-01	DECK17	1370
1370	X- 1930E-01	- 1930E-01	- 1930E-01	- 1930E-01	- 1930E-01	- 1930E-01	DECK17	1371
	X- 3671	- 3519	- 3406	- 2353	- 2295	- 2245	DECK17	1372
	X- 1289	- 1289	- 1289	- 1 158	- 1 103	- 1 063	DECK17	1373
	X- 8701	- 8326	- 8044	- 4833	- 4833	- 4833	DECK17	1374
	DATA (X133(JKL), JKL=325, 432)/						MOD1	82
	X- 2434E-01	- 2434E-01	- 2434E-01	- 2434E-01	- 2434E-01	- 2434E-01	DECK17	1376
1375	X- 2434E-01	- 2434E-01	- 2434E-01	- 2434E-01	- 2434E-01	- 2434E-01	DECK17	1377
	X- 2683	- 2582	- 2520	- 1460	- 1460	- 1460	DECK17	1378
	X- 1 270	- 1 208	- 1 160	- 9647	- 9117	- 8790	DECK17	1379
	X- 5307	- 5307	- 5307	- 2962E-01	- 2962E-01	- 2962E-01	DECK17	1380
1380	X- 2962E-01	- 2962E-01	- 2962E-01	- 2962E-01	- 2962E-01	- 2962E-01	DECK17	1381
	X- 4600	- 4376	- 4208	- 2871	- 2797	- 2737	DECK17	1382
	X- 1634	- 1634	- 1634	- 1 383	- 1 313	- 1 257	DECK17	1383
	X- 1 040	- 9914	- 9539	- 5786	- 5786	- 5786	DECK17	1384
	X- 3510E-01	- 3510E-01	- 3510E-01	- 3510E-01	- 3510E-01	- 3510E-01	DECK17	1385
1385	X- 3510E-01	- 3510E-01	- 3510E-01	- 3510E-01	- 3510E-01	- 3510E-01	DECK17	1386
	X- 3265	- 3164	- 3075	- 1811	- 1811	- 1811	DECK17	1387
	X- 1 496	- 1 419	- 1 355	- 1 126	- 1 072	- 1 029	DECK17	1388
	X- 6270	- 6270	- 6270	- 4072E-01	- 4072E-01	- 4072E-01	DECK17	1389
	X- 4072E-01	- 4072E-01	- 4072E-01	- 4072E-01	- 4072E-01	- 4072E-01	DECK17	1390
1390	X- 5548	- 5245	- 5010	- 3576	- 3459	- 3356	DECK17	1391
	X- 1989	- 1989	- 1989	- 1 610	- 1 525	- 1 453	DECK17	1392
	X- 1 213	- 1 153	- 1 105	- 6757	- 6757	- 6757	DECK17	1393
	DATA (X118(JKL), JKL=1						MOD1	83
	X- 3757E-04	- 3759E-04	- 3759E-04	- 2055	- 2055	- 2055	DECK17	1395
1395	X- 2960	- 2960	- 2960	- 1723E-04	- 1723E-04	- 1723E-04	DECK17	1396
	X- 2055	- 2055	- 2055	- 2960	- 2960	- 2960	DECK17	1397
	X- 1347E-04	- 1158E-04	- 1158E-04	- 2055	- 2055	- 2055	DECK17	1398
	X- 2959	- 2959	- 2959	- 1737	- 1737	- 1737	DECK17	1399
	X- 2720	- 2720	- 2720	- 3084	- 3084	- 3084	DECK17	1400
	X- 11 42	- 11 24	- 11 24	- 6 771	- 6 750	- 6 740	DECK17	1401
1400	X- 4 559	- 4 559	- 4 557	- 35 29	- 35 51	- 35 36	DECK17	1402
	X- 21 97	- 21 65	- 21 52	- 13 94	- 13 94	- 13 94	DECK17	1403
	X- 2720	- 2720	- 2720	- 3033	- 3033	- 3033	DECK17	1404
	X- 3137	- 3137	- 3137	- 23 06	- 23 06	- 23 06	DECK17	1405
	X- 16 14	- 16 05	- 16 00	- 12 76	- 12 76	- 12 76	DECK17	1406
1405	X- 111 0	- 89 16	- 87 21	- 57 76	- 55 71	- 54 74	DECK17	1407
	X- 38 77	- 38 77	- 38 77	- 3084	- 3084	- 3084	DECK17	1408
	X- 3137	- 3137	- 3137	- 3153	- 3153	- 3153	DECK17	1409
	X- 34 86	- 34 03	- 33 69	- 26 12	- 26 00	- 25 91	DECK17	1410
1410	X- 23 02	- 23 02	- 23 02	- 203 7	- 198 0	- 191 0	DECK17	1411
	X- 100 8	- 95 44	- 92 77	- 70 14	- 70 14	- 70 14	DECK17	1412
	DATA (X118(JKL), JKL=109, 216)/						MOD1	84
	X- 3153	- 3153	- 3153	- 3155	- 3155	- 3155	DECK17	1414
	X- 3156	- 3156	- 3156	- 43 75	- 43 00	- 42 62	DECK17	1415
1415	X- 37 24	- 37 12	- 37 04	- 35 09	- 35 09	- 35 09	DECK17	1416
	X- 313 1	- 209 8	- 194 6	- 149 5	- 139 6	- 134 5	DECK17	1417
	X- 106 8	- 106 8	- 106 8	- 3151	- 3151	- 3151	DECK17	1418
	X- 3151	- 3151	- 3151	- 3151	- 3151	- 3151	DECK17	1419
	X- 53 76	- 53 27	- 52 98	- 50 02	- 49 94	- 49 88	DECK17	1420
1420	X- 48 85	- 48 85	- 48 85	- 437 5	- 274 3	- 248 1	DECK17	1421
	X- 203 2	- 187 6	- 179 5	- 148 0	- 148 0	- 148 0	DECK17	1422
	X- 12 08	- 12 08	- 12 08	- 12 08	- 12 08	- 12 08	DECK17	1423
	X- 12 08	- 12 08	- 12 08	- 87 88	- 86 83	- 86 20	DECK17	1424


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X- 2196E-02 - 2196E-02 - 2196E-02 - 2196E-02 - 2196E-02 - 2196E-02 DECK17 1504
X- 7805E-01 - 7494E-01 - 7288E-01 - 7425E-01 - 3356E-01 - 3299E-01 DECK17 1505
X- 1444E-01 - 1444E-01 - 1444E-01 - 7217 - 6614 - 6134 DECK17 1506
X- 1878 - 1728 - 1670 - 1243 - 1243 - 1243 DECK17 1507
DATA (X134(JKL), JKL=217, 324)/
X- 4431E-02 - 4431E-02 - 4431E-02 - 4431E-02 - 4431E-02 - 4431E-02 DECK17 1509
X- 4431E-02 - 4431E-02 - 4431E-02 - 9631E-01 - 9167E-01 - 8856E-01 DECK17 1510
X- 4276E-01 - 4193E-01 - 4105E-01 - 1890E-01 - 1890E-01 - 1890E-01 DECK17 1511
X- 8273 - 7566 - 7186 - 4569 - 4262 - 4060 DECK17 1512
X- 1435 - 1435 - 1435 - 7141E-02 - 7141E-02 - 7141E-02 DECK17 1513
X- 7141E-02 - 7141E-02 - 7141E-02 - 7141E-02 - 7141E-02 - 7141E-02 DECK17 1514
X- 1150 - 1085 - 1032 - 5197E-01 - 5047E-01 - 4929E-01 DECK17 1515
X- 2358E-01 - 2358E-01 - 2358E-01 - 9379 - 8504 - 8038 DECK17 1516
X- 5172 - 4800 - 4551 - 1630 - 1630 - 1630 DECK17 1517
X- 1020E-01 - 1020E-01 - 1020E-01 - 1020E-01 - 1020E-01 - 1020E-01 DECK17 1518
X- 1020E-01 - 1020E-01 - 1020E-01 - 1150 - 1150 - 1150 DECK17 1519
X- 6116E-01 - 5924E-01 - 5767E-01 - 2847E-01 - 2847E-01 - 2847E-01 DECK17 1520
X- 1048 - 9457 - 8882 - 5781 - 5342 - 5043 DECK17 1521
X- 1827 - 1827 - 1827 - 1353E-01 - 1353E-01 - 1353E-01 DECK17 1522
X- 1353E-01 - 1353E-01 - 1353E-01 - 1353E-01 - 1353E-01 - 1353E-01 DECK17 1523
X- 1533 - 1627 - 1388 - 7060E-01 - 6817E-01 - 6618E-01 DECK17 1524
X- 3351E-01 - 3351E-01 - 3351E-01 - 1 158 - 1 042 - 9728 DECK17 1525
X- 6398 - 5888 - 5536 - 2027 - 2027 - 2027 DECK17 1526
DATA (X134(JKL), JKL=325, 432)/
X- 1707E-01 - 1707E-01 - 1707E-01 - 1707E-01 - 1707E-01 - 1707E-01 DECK17 1528
X- 1707E-01 - 1707E-01 - 1707E-01 - 1729 - 1601 - 1512 DECK17 1529
X- 8022E-01 - 7724E-01 - 7480E-01 - 3869E-01 - 3869E-01 - 3869E-01 DECK17 1530
X- 1 270 - 1 116 - 1 057 - 7021 - 6538 - 6031 DECK17 1531
X- 2230 - 2230 - 2230 - 2077E-01 - 2077E-01 - 2077E-01 DECK17 1532
X- 2077E-01 - 2077E-01 - 2077E-01 - 2077E-01 - 2077E-01 - 2077E-01 DECK17 1533
X- 1928 - 1775 - 1669 - 9001E-01 - 8644E-01 - 8351E-01 DECK17 1534
X- 4399E-01 - 4399E-01 - 4399E-01 - 1 182 - 1 238 - 1 152 DECK17 1535
X- 7450 - 6992 - 6528 - 2438 - 2438 - 2438 DECK17 1536
X- 2461E-01 - 2461E-01 - 2461E-01 - 2461E-01 - 2461E-01 - 2461E-01 DECK17 1537
X- 2461E-01 - 2461E-01 - 2461E-01 - 2130 - 1963 - 1826 DECK17 1538
X- 9994E-01 - 9576E-01 - 9231E-01 - 9231E-01 - 9231E-01 - 9231E-01 DECK17 1539
X- 1 496 - 1 333 - 1 227 - 8284 - 7649 - 7027 DECK17 1540
X- 2643 - 2643 - 2643 - 2856E-01 - 2856E-01 - 2856E-01 DECK17 1541
X- 2856E-01 - 2856E-01 - 2856E-01 - 2856E-01 - 2856E-01 - 2856E-01 DECK17 1542
X- 2334 - 2128 - 1984 - 1100 - 1062 - 1012 DECK17 1543
X- 5486E-01 - 5486E-01 - 5486E-01 - 1 431 - 1 312 - 1 212 DECK17 1544
X- 8924 - 8111 - 7527 - 2852 - 2852 - 2852 DECK17 1545
DATA (X119(JKL), JKL=1, 1081)/
X- 1757E-04 - 1757E-04 - 1757E-04 - 1880 - 1880 - 1880 DECK17 1547
X- 2446 - 2446 - 2446 - 1723E-04 - 1723E-04 - 1723E-04 DECK17 1548
X- 1880 - 1880 - 1880 - 2446 - 2446 - 2446 DECK17 1549
X- 1347E-04 - 1158E-04 - 1158E-04 - 1880 - 1880 - 1880 DECK17 1550
X- 2446 - 2446 - 2446 - 1626 - 1626 - 1626 DECK17 1551
X- 2328 - 2328 - 2328 - 2491 - 2491 - 2491 DECK17 1552
X- 10 41 - 10 19 - 10 17 - 5 018 - 5 018 - 5 009 DECK17 1553
X- 3 395 - 3 395 - 3 395 - 39 28 - 33 80 - 33 58 DECK17 1554
X- 16 97 - 16 64 - 16 50 - 10 31 - 10 31 - 10 31 DECK17 1555
X- 2328 - 2328 - 2328 - 2476 - 2476 - 2476 DECK17 1556
X- 2504 - 2504 - 2504 - 19 20 - 19 03 - 19 03 DECK17 1557
X- 11 74 - 11 67 - 11 64 - 9 761 - 9 761 - 9 761 DECK17 1558
X- 11 0 - 10 04 - 10 47 - 43 57 - 41 64 - 40 74 DECK17 1559
X- 29 00 - 29 00 - 29 00 - 2491 - 2491 - 2491 DECK17 1560
X- 2504 - 2504 - 2504 - 2506 - 2506 - 2506 DECK17 1561
X- 25 84 - 25 10 - 24 81 - 19 30 - 19 23 - 19 18 DECK17 1562
X- 17 93 - 17 93 - 17 93 - 203 6 - 126 6 - 118 1 DECK17 1563
X- 75 04 - 70 31 - 68 05 - 52 85 - 52 85 - 52 85 DECK17 1564
DATA (X119(JKL), JKL=109, 2161)/
X- 2506 - 2506 - 2506 - 2506 - 2506 - 2506 DECK17 1566
X- 2506 - 2506 - 2506 - 31 93 - 31 64 - 31 19 DECK17 1567
X- 28 30 - 28 26 - 28 22 - 27 62 - 27 62 - 27 62 DECK17 1568
X- 313 2 - 173 1 - 155 7 - 110 5 - 102 1 - 98 10 DECK17 1569
X- 80 90 - 80 90 - 80 90 - 2503 - 2503 - 2503 DECK17 1570
X- 2503 - 2503 - 2503 - 2503 - 2503 - 2503 DECK17 1571
X- 40 37 - 40 14 - 40 01 - 38 91 - 38 89 - 38 87 DECK17 1572
X- 38 65 - 38 65 - 38 65 - 437 3 - 220 2 - 192 0 DECK17 1573
X- 149 4 - 136 9 - 130 9 - 112 6 - 112 6 - 112 6 DECK17 1574
X- 9 593 - 9 593 - 9 593 - 9 593 - 9 593 - 9 593 DECK17 1575
X- 9 593 - 9 593 - 9 593 - 65 41 - 65 96 - 65 71 DECK17 1576
X- 64 52 - 64 48 - 64 44 - 64 19 - 64 19 - 64 19 DECK17 1577
X- 574 4 - 268 6 - 228 5 - 191 7 - 174 5 - 166 5 DECK17 1578
X- 147 6 - 147 6 - 147 6 - 27 58 - 27 58 - 27 58 DECK17 1579
X- 27 58 - 27 58 - 27 58 - 27 58 - 27 58 - 27 58 DECK17 1580
X- 96 30 - 95 64 - 95 25 - 94 03 - 94 01 - 93 94 DECK17 1581
X- 93 70 - 93 70 - 93 70 - 723 2 - 318 8 - 266 3 DECK17 1582
```

```
X-236 9 -214 8 -204 7 -185 6 -185 6 -185 6 /DECK17 1587
DATA (X119(JKL), JKL=217, 3241/ MOD1
X-50 88 -50 88 -50 88 -50 88 -50 88 -50 88 /DECK17 1588
X-50 88 -50 88 -50 88 -50 88 -50 88 -50 88 /DECK17 1589
1585 X-127 1 -127 0 9 -127 0 9 -127 0 9 -127 0 9 /DECK17 1590
X-882 8 -170 9 -105 8 -78 7 -78 7 -78 7 /DECK17 1591
X-226 3 -226 3 -226 3 -226 3 -226 3 -226 3 /DECK17 1592
X-78 7 -78 7 -78 7 -78 7 -78 7 -78 7 /DECK17 1593
1590 X-166 2 -166 2 -166 2 -166 2 -166 2 -166 2 /DECK17 1594
X-162 9 -162 9 -162 9 -162 9 -162 9 -162 9 /DECK17 1595
X-336 9 -303 2 -288 9 -269 7 -269 7 -269 7 /DECK17 1596
X-109 8 -109 8 -109 8 -109 8 -109 8 -109 8 /DECK17 1597
1595 X-202 4 -202 3 -202 3 -202 3 -202 3 -202 3 /DECK17 1598
X-1232 4 -481 8 -391 3 -389 3 -381 0 -334 7 /DECK17 1599
X-318 6 -318 6 -318 6 -318 6 -318 6 -318 6 /DECK17 1600
X-144 4 -144 4 -144 4 -144 4 -144 4 -144 4 /DECK17 1601
X-247 7 -247 7 -247 7 -247 7 -247 7 -247 7 /DECK17 1602
1600 X-247 7 -247 7 -247 7 -247 7 -247 7 -247 7 /DECK17 1603
DATA (X119(JKL), JKL=325, 4321/ MOD1
X-182 0 0 -182 0 0 -182 0 0 -182 0 0 -182 0 0 /DECK17 1604
X-182 0 0 -182 0 0 -182 0 0 -182 0 0 -182 0 0 /DECK17 1605
1605 X-288 3 -288 3 -288 3 -288 3 -288 3 -288 3 /DECK17 1606
X-161 1 -161 1 -161 1 -161 1 -161 1 -161 1 /DECK17 1607
X-414 1 -414 1 -414 1 -414 1 -414 1 -414 1 /DECK17 1608
X-222 4 -222 4 -222 4 -222 4 -222 4 -222 4 /DECK17 1609
1610 X-119 3 -119 3 -119 3 -119 3 -119 3 -119 3 /DECK17 1610
X-564 0 -507 9 -485 5 -485 5 -485 5 -485 5 /DECK17 1611
X-265 5 -265 5 -265 5 -265 5 -265 5 -265 5 /DECK17 1612
X-265 5 -265 5 -265 5 -265 5 -265 5 -265 5 /DECK17 1613
1615 X-2034 1 -2034 1 -2034 1 -2034 1 -2034 1 -2034 1 /DECK17 1614
X-521 3 -521 3 -521 3 -521 3 -521 3 -521 3 /DECK17 1615
X-440 0 -440 0 -440 0 -440 0 -440 0 -440 0 /DECK17 1616
X-434 7 -434 7 -434 7 -434 7 -434 7 -434 7 /DECK17 1617
1620 X-691 6 -622 8 -596 3 -577 8 -577 8 -577 8 /DECK17 1620
DATA (X119(JKL), JKL=1, 1081/ MOD1
X-1000 -05 -1000 -05 -1000 -05 -1000 -05 -1000 -05 -1000 -05 /DECK17 1621
1620 X-7297 -07 -7297 -07 -7297 -07 -6500 -05 -6500 -05 -6500 -05 /DECK17 1622
X-2468 -05 -2468 -05 -2468 -05 -2468 -05 -2468 -05 -2468 -05 /DECK17 1623
X-1000 -05 -1000 -05 -1000 -05 -1000 -05 -1000 -05 -1000 -05 /DECK17 1624
1625 X-7297 -05 -7297 -05 -7297 -05 -6500 -05 -6500 -05 -6500 -05 /DECK17 1625
X-1737 -06 -1737 -06 -1737 -06 -2361 -07 -2361 -07 -2361 -07 /DECK17 1626
X-4042 -01 -4013 -01 -4013 -01 -1416 -01 -1416 -01 -1416 -01 /DECK17 1627
1630 X-2181 -02 -2181 -02 -2181 -02 -1001 -02 -1001 -02 -1001 -02 /DECK17 1628
X-4249 -01 -4249 -01 -4249 -01 -7202 -02 -7202 -02 -7202 -02 /DECK17 1629
X-1737 -06 -1737 -06 -1737 -06 -4308 -07 -4308 -07 -4308 -07 /DECK17 1630
1635 X-5058 -08 -5058 -08 -5058 -08 -5444 -01 -5444 -01 -5444 -01 /DECK17 1631
X-1658 -01 -1658 -01 -1658 -01 -2641 -02 -2641 -02 -2641 -02 /DECK17 1632
X-2009 -01 -1910 -01 -1896 -01 -8366 -01 -8366 -01 -8366 -01 /DECK17 1633
1640 X-1454 -01 -1454 -01 -1454 -01 -2360 -07 -2360 -07 -2360 -07 /DECK17 1634
X-5058 -08 -5058 -08 -5058 -08 -6296 -09 -6296 -09 -6296 -09 /DECK17 1635
X-4755 -01 -4755 -01 -4755 -01 -1326 -01 -1326 -01 -1326 -01 /DECK17 1636
1645 X-2581 -02 -2581 -02 -2581 -02 -1027 -01 -1027 -01 -1027 -01 /DECK17 1637
X-1246 -02 -1192 -02 -1163 -02 -2219 -01 -2219 -01 -2219 -01 /DECK17 1638
DATA (X135(JKL), JKL=109, 2161/ MOD1
X-5295 -02 -5295 -02 -5295 -02 -1025 -09 -1025 -09 -1025 -09 /DECK17 1639
1650 X-9807 -11 -9807 -11 -9807 -11 -2626 -02 -2626 -02 -2626 -02 /DECK17 1640
X-9267 -02 -9143 -02 -9058 -02 -2612 -02 -2612 -02 -2612 -02 /DECK17 1641
X-4057 -02 -1700 -02 -1597 -02 -1566 -02 -1566 -02 -1566 -02 /DECK17 1642
1645 X-1016 -01 -1016 -01 -1016 -01 -7249 -03 -7249 -03 -7249 -03 /DECK17 1643
X-7249 -03 -7249 -03 -7249 -03 -7249 -03 -7249 -03 -7249 -03 /DECK17 1644
X-1834 -01 -1785 -01 -1755 -01 -6142 -02 -6077 -02 -6026 -02 /DECK17 1645
X-2965 -02 -2965 -02 -2965 -02 -5098 -02 -5098 -02 -5098 -02 /DECK17 1646
1650 X-2080 -02 -1937 -02 -1857 -02 -3853 -01 -3853 -01 -3853 -01 /DECK17 1647
X-4929 -01 -4929 -01 -4929 -01 -4929 -01 -4929 -01 -4929 -01 /DECK17 1648
X-4929 -03 -4929 -03 -4929 -03 -2616 -01 -2616 -01 -2616 -01 /DECK17 1649
X-9419 -02 -9284 -02 -9176 -02 -5083 -02 -5083 -02 -5083 -02 /DECK17 1650
1655 X-6151 -02 -5197 -02 -5197 -02 -2197 -02 -2197 -02 -2197 -02 /DECK17 1651
X-1694 -01 -1694 -01 -1694 -01 -1744 -02 -1744 -02 -1744 -02 /DECK17 1652
X-1744 -02 -1744 -02 -1744 -02 -1744 -02 -1744 -02 -1744 -02 /DECK17 1653
X-1429 -01 -1260 -01 -1152 -01 -1301 -01 -1278 -01 -1260 -01 /DECK17 1654
X-7527 -02 -7527 -02 -7527 -02 -7216 -02 -7216 -02 -7216 -02 /DECK17 1655
1660 X-2941 -02 -2690 -02 -2536 -02 -5573 -01 -5573 -01 -5573 -01 /DECK17 1656
DATA (X135(JKL), JKL=217, 3241/ MOD1
X-3519 -02 -3519 -02 -3519 -02 -3519 -02 -3519 -02 -3519 -02 /DECK17 1657
```

```

1660 X- 3519E-02 - 3519E-02 - 3519E-02 - 4270E-01 - 4021E-01 - 3840E-01 DECK17 1662
      X- 1685E-01 - 1651E-01 - 1624E-01 - 1021E-01 - 1021E-01 - 1021E-01 DECK17 1663
      X- 8292 - 7231 - 6760 - 3382 - 3089 - 2876 DECK17 1664
      X- 5670E-01 - 5670E-01 - 5670E-01 - 5671E-02 - 5671E-02 - 5671E-02 DECK17 1665
      X- 5136E-01 - 4795E-01 - 4574E-01 - 2090E-01 - 2042E-01 - 2009E-01 DECK17 1666
      X- 1308E-01 - 1308E-01 - 1308E-01 - 9179 - 8121 - 7617 DECK17 1668
      X- 1828 - 1213 - 7387E-01 - 7387E-01 - 7387E-01 - 7387E-01 DECK17 1669
      X- 8102E-02 - 8102E-02 - 8102E-02 - 8102E-02 - 8102E-02 - 8102E-02 DECK17 1670
      X- 8102E-02 - 8102E-02 - 8102E-02 - 8102E-02 - 8102E-02 - 8102E-02 DECK17 1671
      X- 2510E-01 - 2448E-01 - 2399E-01 - 1610E-01 - 1610E-01 - 1610E-01 DECK17 1672
      X- 1088 - 2014 - 3281 - 5281 - 1816 - 1851 DECK17 1673
      X- 8320E-01 - 8320E-01 - 8320E-01 - 1075E-01 - 1075E-01 - 1075E-01 DECK17 1674
      X- 1075E-01 - 1075E-01 - 1075E-01 - 1075E-01 - 1075E-01 - 1075E-01 DECK17 1675
      X- 6932E-01 - 6378E-01 - 6019E-01 - 2944E-01 - 2864E-01 - 2805E-01 DECK17 1676
      X- 1929E-01 - 1929E-01 - 1929E-01 - 1168 - 9218 - 8093 DECK17 1677
      X- 9719 - 6224 - 3892 - 9268E-01 - 9268E-01 - 9268E-01 DECK17 1678
      DATA (X(35:JKL), JKL=325, 432) / MOD1 98
      X- 1356E-01 - 1356E-01 - 1356E-01 - 1356E-01 - 1356E-01 - 1356E-01 DECK17 1680
      X- 1356E-01 - 1356E-01 - 1356E-01 - 2888E-01 - 2888E-01 - 2888E-01 DECK17 1681
      X- 3389E-01 - 3246E-01 - 3119E-01 - 2248E-01 - 2248E-01 - 2248E-01 DECK17 1682
      X- 1 270 - 1 082 - 9804 - 5202 - 4615 - 4233 DECK17 1683
      X- 1023 - 1023 - 1023 - 1650E-01 - 1650E-01 - 1650E-01 DECK17 1684
      X- 1650E-01 - 1650E-01 - 1650E-01 - 1650E-01 - 1650E-01 - 1650E-01 DECK17 1685
      X- 1799E-01 - 1600E-01 - 1488E-01 - 1384E-01 - 1340E-01 - 1292E-01 DECK17 1686
      X- 2580E-01 - 2580E-01 - 2580E-01 - 1 382 - 1 173 - 1 056 DECK17 1687
      X- 5670 - 5008 - 4575 - 1121 - 1121 - 1121 DECK17 1688
      X- 1955E-01 - 1955E-01 - 1955E-01 - 1955E-01 - 1955E-01 - 1955E-01 DECK17 1689
      X- 4307E-01 - 4174E-01 - 4070E-01 - 2919E-01 - 2919E-01 - 2919E-01 DECK17 1691
      X- 1 496 - 1 264 - 1 132 - 6143 - 5404 - 4917 DECK17 1692
      X- 1219 - 1219 - 1219 - 2268E-01 - 2268E-01 - 2268E-01 DECK17 1693
      X- 2268E-01 - 2268E-01 - 2268E-01 - 2268E-01 - 2268E-01 - 2268E-01 DECK17 1694
      X- 1073 - 9655E-01 - 8967E-01 - 4778E-01 - 4624E-01 - 4505E-01 DECK17 1695
      X- 3263E-01 - 3263E-01 - 3263E-01 - 1 610 - 1 356 - 1 208 DECK17 1696
      X- 8620 - 5802 - 5261 - 1319 - 1319 - 1319 DECK17 1697
      DATA (X(20:JKL), JKL=1, 081) / MOD1 99
      X- 3757E-04 - 3759E-04 - 3759E-04 - 1729 - 1729 - 1729 DECK17 1699
      X- 2093 - 2093 - 2093 - 1677E-04 - 1723E-04 - 1723E-04 DECK17 1700
      X- 1729 - 1729 - 1729 - 2093 - 2093 - 2093 DECK17 1701
      X- 1347E-04 - 1688E-04 - 1688E-04 - 1729 - 1729 - 1729 DECK17 1702
      X- 2093 - 2093 - 2093 - 1526 - 1526 - 1526 DECK17 1703
      X- 2034 - 2034 - 2034 - 2109 - 2109 - 2109 DECK17 1704
      X- 2 499 - 2 243 - 2 210 - 1 821 - 1 875 - 1 867 DECK17 1705
      X- 2 773 - 2 773 - 2 773 - 3 217 - 3 217 - 3 217 DECK17 1706
      X- 13 39 - 13 09 - 12 97 - 8 350 - 8 350 - 8 350 DECK17 1707
      X- 2034 - 2034 - 2034 - 2104 - 2104 - 2104 DECK17 1708
      X- 2112 - 2112 - 2112 - 14 18 - 15 52 - 15 75 DECK17 1709
      X- 9 111 - 9 111 - 9 111 - 8 119 - 8 119 - 8 119 DECK17 1710
      X- 110 9 - 71 93 - 68 92 - 33 95 - 32 33 - 31 59 DECK17 1711
      X- 23 72 - 23 72 - 23 72 - 2109 - 2109 - 2109 DECK17 1712
      X- 2112 - 2112 - 2112 - 2112 - 2112 - 2112 DECK17 1713
      X- 20 01 - 19 41 - 19 41 - 15 59 - 15 54 - 15 53 DECK17 1714
      X- 15 03 - 15 03 - 15 03 - 203 6 - 108 8 - 99 51 DECK17 1715
      X- 58 20 - 54 49 - 52 79 - 43 49 - 43 49 - 43 49 DECK17 1716
      DATA (X(20:JKL), JKL=109, 216) / MOD1 100
      X- 2112 - 2112 - 2112 - 2112 - 2112 - 2112 DECK17 1718
      X- 2112 - 2112 - 2112 - 25 27 - 24 98 - 24 84 DECK17 1719
      X- 23 44 - 23 42 - 23 41 - 23 24 - 23 24 - 23 24 DECK17 1720
      X- 11 1 - 14 1 - 12 1 - 85 62 - 79 36 - 76 57 DECK17 1721
      X- 84 84 - 66 84 - 66 84 - 2109 - 2109 - 2109 DECK17 1722
      X- 2109 - 2109 - 2109 - 32 61 - 32 61 - 32 61 DECK17 1723
      X- 33 13 - 33 04 - 32 99 - 32 62 - 32 61 - 32 61 DECK17 1724
      X- 32 58 - 32 58 - 32 58 - 178 9 - 161 8 - 151 8 DECK17 1725
      X- 115 9 - 106 9 - 103 0 - 93 30 - 93 30 - 93 30 DECK17 1726
      X- 8 085 - 8 085 - 8 085 - 8 085 - 8 085 - 8 085 DECK17 1727
      X- 8 085 - 8 085 - 8 085 - 54 60 - 54 51 - 54 51 DECK17 1728
      X- 54 15 - 54 15 - 54 15 - 54 09 - 54 09 - 54 09 DECK17 1729
      X- 54 1 - 54 1 - 54 1 - 136 9 - 131 9 - 131 9 DECK17 1730
      X- 122 5 - 122 5 - 122 5 - 23 25 - 23 25 - 23 25 DECK17 1731
      X- 23 25 - 23 25 - 23 25 - 23 25 - 23 25 - 23 25 DECK17 1732
      X- 79 77 - 79 77 - 79 77 - 79 00 - 79 00 - 79 00 DECK17 1733
      X- 78 95 - 78 95 - 78 95 - 252 1 - 206 6 - 206 6 DECK17 1734
      X- 184 2 - 169 3 - 163 3 - 154 3 - 154 3 - 154 3 DECK17 1735
      DATA (X(20:JKL), JKL=217, 324) / MOD1 101
      X- 42 88 - 42 88 - 42 88 - 42 88 - 42 88 - 42 88 DECK17 1737
      X- 42 88 - 42 88 - 42 88 - 107 1 - 107 1 - 107 1 DECK17 1738
      X- 106 8 - 106 8 - 106 8 - 106 8 - 106 8 - 106 8 DECK17 1739
      X- 882 5 - 291 2 - 237 2 - 221 9 - 204 0 - 197 1 DECK17 1740

```


	X-188 4	-188 4	-188 4	-66 14	-66 14	-66 14	DECK17	1741
	X-66 14	-66 14	-66 14	-66 14	-66 14	-66 14	DECK17	1742
1740	X-137 1	-137 1	-137 1	-137 1	-137 1	-137 1	DECK17	1743
	X-137 2	-137 2	-137 2	-137 2	-137 2	-137 2	DECK17	1744
	X-241 8	-241 8	-241 8	-224 8	-224 8	-224 8	DECK17	1745
	X-92 52	-92 52	-92 52	-92 52	-92 52	-92 52	DECK17	1746
1745	X-92 52	-92 52	-92 52	-171 1	-170 6	-170 6	DECK17	1747
	X-170 2	-170 2	-170 2	-170 1	-170 1	-170 1	DECK17	1748
	X-1231	-1231	-1231	-103 8	-279 8	-271 1	DECK17	1749
	X-263 2	-263 2	-263 2	-121 7	-121 7	-121 7	DECK17	1750
	X-121 7	-121 7	-121 7	-121 7	-121 7	-121 7	DECK17	1751
1750	X-205 3	-205 3	-205 3	-205 3	-205 3	-205 3	DECK17	1752
	X-205 3	-205 3	-205 3	-1419	-419 6	-142 9	DECK17	1753
	X-347 9	-347 9	-347 9	-303 5	-303 5	-303 5	DECK17	1754
	DATA (X120) JKL=325	JKL=325	JKL=325				MOD1	102
	X-153 4	-153 4	-153 4	-153 4	-153 4	-153 4	DECK17	1755
1755	X-153 4	-153 4	-153 4	-153 4	-153 4	-153 4	DECK17	1756
	X-242 7	-242 7	-242 7	-242 7	-242 7	-242 7	DECK17	1757
	X-1616	-1616	-1616	-1616	-1616	-1616	DECK17	1758
	X-187 5	-187 5	-187 5	-187 5	-187 5	-187 5	DECK17	1759
1760	X-282 0	-282 0	-282 0	-282 0	-282 0	-282 0	DECK17	1760
	X-282 0	-282 0	-282 0	-282 0	-282 0	-282 0	DECK17	1761
	X-407 9	-407 9	-407 9	-407 9	-407 9	-407 9	DECK17	1762
	X-223 7	-223 7	-223 7	-223 7	-223 7	-223 7	DECK17	1763
	X-223 7	-223 7	-223 7	-223 7	-223 7	-223 7	DECK17	1764
1765	X-323 3	-323 3	-323 3	-323 3	-323 3	-323 3	DECK17	1765
	X-2033	-2033	-2033	-2033	-2033	-2033	DECK17	1766
	X-262 1	-262 1	-262 1	-262 1	-262 1	-262 1	DECK17	1767
	X-262 1	-262 1	-262 1	-262 1	-262 1	-262 1	DECK17	1768
	X-366 5	-366 5	-366 5	-366 5	-366 5	-366 5	DECK17	1769
1770	X-366 5	-366 5	-366 5	-366 5	-366 5	-366 5	DECK17	1770
	X-483 1	-483 1	-483 1	-483 1	-483 1	-483 1	DECK17	1771
	DATA (X136) JKL=1	JKL=1	JKL=1				MOD1	103
	X-1000E-05	-1000E-05	-1000E-05	-3435E-06	-3435E-06	-3435E-06	DECK17	1772
	X-1000E-05	-1000E-05	-1000E-05	-3435E-06	-3435E-06	-3435E-06	DECK17	1773
1775	X-1890E-05	-1890E-05	-1890E-05	-1890E-05	-1890E-05	-1890E-05	DECK17	1774
	X-1000E-04	-1000E-04	-1000E-04	-3435E-06	-3435E-06	-3435E-06	DECK17	1775
	X-3049E-06	-3049E-06	-3049E-06	-4725E-06	-4725E-06	-4725E-06	DECK17	1776
	X-3049E-06	-3049E-06	-3049E-06	-4725E-06	-4725E-06	-4725E-06	DECK17	1777
	X-3049E-06	-3049E-06	-3049E-06	-4725E-06	-4725E-06	-4725E-06	DECK17	1778
	X-3049E-06	-3049E-06	-3049E-06	-4725E-06	-4725E-06	-4725E-06	DECK17	1779
	X-3049E-06	-3049E-06	-3049E-06	-4725E-06	-4725E-06	-4725E-06	DECK17	1780
1780	X-8182E-03	-8182E-03	-8182E-03	-8182E-03	-8182E-03	-8182E-03	DECK17	1781
	X-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	DECK17	1782
	X-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	DECK17	1783
	X-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	DECK17	1784
	X-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	DECK17	1785
	X-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	-3213E-01	DECK17	1786
1785	X-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	DECK17	1787
	X-2009	-2009	-2009	-2009	-2009	-2009	DECK17	1788
	X-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	DECK17	1789
	X-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	DECK17	1790
	X-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	DECK17	1791
	X-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	DECK17	1792
1790	X-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	-9187E-02	DECK17	1793
	DATA (X136) JKL=109	JKL=109	JKL=109				MOD1	104
	X-4287E-10	-4287E-10	-4287E-10	-4287E-10	-4287E-10	-4287E-10	DECK17	1794
	X-2554E-12	-2554E-12	-2554E-12	-2554E-12	-2554E-12	-2554E-12	DECK17	1795
1795	X-2554E-12	-2554E-12	-2554E-12	-2554E-12	-2554E-12	-2554E-12	DECK17	1796
	X-4057	-4057	-4057	-4057	-4057	-4057	DECK17	1797
	X-1451E-01	-1451E-01	-1451E-01	-1451E-01	-1451E-01	-1451E-01	DECK17	1798
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1799
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1800
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1801
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1802
1800	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1803
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1804
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1805
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1806
1805	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1807
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1808
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1809
	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1810
1810	X-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	-6109E-09	DECK17	1811
	DATA (X136) JKL=217	JKL=217	JKL=217				MOD1	105
	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1812
	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1813
	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1814
	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1815
	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1816
1815	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1817
	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1818
	X-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	-2966E-02	DECK17	1819


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1820 X- 1033E-01 - 1033E-01 - 1033E-01 - 9379 - 7796 - 7100 - DECK17 1820
X- 2851 - 2508 - 2104 - 3794E-01 - 3794E-01 - 3794E-01 - DECK17 1821
X- 6828E-02 - 6828E-02 - 6828E-02 - 6828E-02 - 6828E-02 - 6828E-02 - DECK17 1822
X- 1490E-01 - 1490E-01 - 1490E-01 - 1278E-01 - 1278E-01 - 1278E-01 - DECK17 1823
X- 1 048 - 8644 - 7802 - 3187 - 3786 - 2643 - DECK17 1824
X- 4304E-01 - 4304E-01 - 4304E-01 - 9087E-02 - 9087E-02 - 9087E-02 - DECK17 1825
X- 3087E-02 - 3087E-02 - 3087E-02 - 3087E-02 - 3087E-02 - 3087E-02 - DECK17 1826
X- 1547E-01 - 1547E-01 - 1547E-01 - 1793E-01 - 1793E-01 - 1793E-01 - DECK17 1827
X- 1532E-01 - 1532E-01 - 1532E-01 - 1 168 - 9496 - 8801 - DECK17 1828
X- 3533 - 3066 - 2783 - 4822E-01 - 4822E-01 - 4822E-01 - DECK17 1829
DATA (X121) JKL=1, JKL=125, 9379, 7796, 7100, DECK17 1830
X- 1143E-01 - 1143E-01 - 1143E-01 - 1143E-01 - 1143E-01 - 1143E-01 - DECK17 1831
X- 1143E-01 - 1143E-01 - 1143E-01 - 4051E-01 - 4051E-01 - 4051E-01 - DECK17 1832
X- 2088E-01 - 2088E-01 - 2088E-01 - 1794E-01 - 1794E-01 - 1794E-01 - DECK17 1833
X- 1 270 - 1 038 - 1388 - 1388 - 1388 - 1388 - DECK17 1834
X- 1390E-01 - 1390E-01 - 1390E-01 - 1390E-01 - 1390E-01 - 1390E-01 - DECK17 1835
X- 1390E-01 - 1390E-01 - 1390E-01 - 2384E-01 - 2384E-01 - 2384E-01 - DECK17 1836
X- 2061E-01 - 2061E-01 - 2061E-01 - 1 183 - 1 183 - 1 183 - DECK17 1837
X- 4231 - 3632 - 3288 - 8888E-01 - 8888E-01 - 8888E-01 - DECK17 1838
X- 1647E-01 - 1647E-01 - 1647E-01 - 1647E-01 - 1647E-01 - 1647E-01 - DECK17 1839
X- 1647E-01 - 1647E-01 - 1647E-01 - 4388E-01 - 4388E-01 - 4388E-01 - DECK17 1840
X- 2623E-01 - 2623E-01 - 2623E-01 - 2623E-01 - 2623E-01 - 2623E-01 - DECK17 1841
X- 1 496 - 1 207 - 1 086 - 3918 - 3607 - 3607 - DECK17 1842
X- 6427E-01 - 6427E-01 - 6427E-01 - 1912E-01 - 1912E-01 - 1912E-01 - DECK17 1843
X- 1912E-01 - 1912E-01 - 1912E-01 - 1912E-01 - 1912E-01 - 1912E-01 - DECK17 1844
X- 5117E-01 - 5117E-01 - 5117E-01 - 1008E-01 - 2261E-01 - 2261E-01 - DECK17 1845
X- 2618E-01 - 2618E-01 - 2618E-01 - 1 610 - 1 128 - 1 128 - DECK17 1846
X- 4946 - 4204 - 3749 - 6976E-01 - 6976E-01 - 6976E-01 - DECK17 1847
DATA (X121) JKL=1, JKL=1, 1081, DECK17 1848
X- 1 164 - 1020E-04 - 1020E-04 - 4620 - 4620 - 4620 - DECK17 1849
X- 7486 - 7486 - 7486 - 7486 - 7486 - 7486 - DECK17 1850
X- 4620 - 4620 - 4620 - 4620 - 4620 - 4620 - DECK17 1851
X- 9147 - 4020E-04 - 4020E-04 - 4620 - 4620 - 4620 - DECK17 1852
X- 7486 - 7486 - 7486 - 37 30 - 1527 - 1527 - DECK17 1853
X- 4093 - 4093 - 4093 - 6723 - 6723 - 6723 - DECK17 1854
X- 25 44 - 1849 - 1800 - 6169 - 6169 - 6169 - DECK17 1855
X- 7287 - 7287 - 7287 - 2266E-01 - 1878 - 1930 - DECK17 1856
X- 5847 - 5847 - 5847 - 8531 - 8531 - 8531 - DECK17 1857
X- 33 24 - 1436 - 1436 - 2879 - 2879 - 2879 - DECK17 1858
X- 3113 - 3113 - 3113 - 28 39 - 2983 - 2902 - DECK17 1859
X- 5081 - 5101 - 5128 - 6491 - 6491 - 6491 - DECK17 1860
X- 1620E-01 - 1618 - 1618 - 6889 - 7086 - 7211 - DECK17 1861
X- 4846 - 4846 - 4846 - 28 36 - 6771E-01 - 3683E-01 - DECK17 1862
X- 1522E-01 - 6247E-01 - 6744E-01 - 6803E-01 - 6803E-01 - 6803E-01 - DECK17 1863
X- 27 38 - 3297 - 4631 - 4631 - 4631 - DECK17 1864
X- 5293 - 5293 - 5293 - 1364E-01 - 4632 - 4632 - DECK17 1865
X- 7709 - 8083 - 8277 - 1 025 - 1 025 - 1 025 - DECK17 1866
DATA (X121) JKL=1, JKL=109, 2161, DECK17 1867
X- 16 88 - 7360E-01 - 8826E-01 - 7648E-01 - 8199E-01 - 8198E-01 - DECK17 1868
X- 9121E-01 - 9121E-01 - 9121E-01 - 25 31 - 2990 - 2990 - DECK17 1869
X- 3641 - 3613 - 3609 - 4012 - 4012 - 4012 - DECK17 1870
X- 1204E-01 - 6762 - 6409 - 8466 - 8962 - 9220 - DECK17 1871
X- 1 099 - 1 099 - 1 099 - 1409 - 1413 - 1413 - DECK17 1872
X- 1409 - 1412 - 1413 - 1413 - 1413 - 1413 - DECK17 1873
X- 23 43 - 2299 - 2299 - 2518 - 2518 - 2518 - DECK17 1874
X- 2648 - 2648 - 2648 - 1109E-01 - 6681 - 7649 - DECK17 1875
X- 9130 - 9736 - 1 007 - 1 167 - 1 167 - 1 167 - DECK17 1876
X- 1015 - 1287 - 1291 - 1291 - 1291 - 1291 - DECK17 1877
X- 1291 - 1291 - 1291 - 2 129 - 2 129 - 2 129 - DECK17 1878
X- 2870 - 2814 - 2786 - 2917 - 2917 - 2917 - DECK17 1879
X- 1044E-01 - 7507 - 8667 - 9762 - 1 046 - 1 085 - DECK17 1880
X- 1 232 - 1 232 - 1 232 - 9019E-01 - 1192 - 1192 - DECK17 1881
X- 1192 - 1192 - 1192 - 1192 - 1192 - 1192 - DECK17 1882
X- 20 61 - 2908 - 2829 - 3128 - 3079 - 3056 - DECK17 1883
X- 3164 - 3164 - 3164 - 9977E-02 - 8264 - 9489 - DECK17 1884
X- 1 033 - 1 112 - 1 157 - 1 292 - 1 292 - 1 292 - DECK17 1885
DATA (X121) JKL=1, JKL=217, 3241, DECK17 1886
X- 8089E-01 - 1104 - 1109 - 1104 - 1107 - 1109 - DECK17 1887
X- 1109 - 1109 - 1109 - 19 54 - 3163 - 3104 - DECK17 1888
X- 3164 - 3164 - 3100 - 3194 - 3194 - 3194 - DECK17 1889
X- 9633E-02 - 8939 - 1 033 - 1 088 - 1 172 - 1 224 - DECK17 1890
X- 1 360 - 1 360 - 1 360 - 7263E-01 - 1033 - 1037 - DECK17 1891
X- 1033 - 1036 - 1037 - 1037 - 1037 - 1037 - DECK17 1892
X- 12 61 - 3194 - 3164 - 3582 - 3546 - 3528 - DECK17 1893
X- 3509 - 3609 - 3609 - 9374E-02 - 9674 - 1 111 - DECK17 1894
X- 1 239 - 1 233 - 1 288 - 1 406 - 1 406 - 1 406 - DECK17 1895
X- 6532E-01 - 9707E-01 - 9753E-01 - 9707E-01 - 9737E-01 - 9753E-01 - DECK17 1896

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K 9753E-01. 9753E-01. 9753E-01. -17 81 - 3610 - 3685 .DECK17 1899
X- 3787 - 3756 - 3740 - 3812 - 3812 - 3812 .DECK17 1900
X- 9177E-02. -1 017 -1 184 -1 189 -1 289 -1 348 .DECK17 1901
X-1 889 -1 889 -1 889 -1 889 -1 889 -1 889 .DECK17 1902
X 9158E-01. 9158E-01. 9205E-01. 9205E-01. 9205E-01. 9205E-01. .DECK17 1903
X-17 11 - 3811 - 3800 - 3980 - 3984 - 3940 .DECK17 1904
X- 4005 - 4005 - 4005 - 9025E-02. -1 073 -1 252 .DECK17 1905
X-1 216 -1 343 -1 405 -1 510 -1 610 -1 610 .DECK17 1906
DATA (X121) JKL=325. 4321/ MOD1
X 5287E-01. 8667E-01. 8716E-01. 8667E-01. 8698E-01. 8716E-01. .DECK17 1908
X 8716E-01. 8716E-01. 8716E-01. -16 48 - 3999 - 4001 .DECK17 1909
X- 3181 - 3192 - 3130 - 3130 - 3130 - 3130 .DECK17 1910
X- 8109E-02. -1 126 -1 116 -1 181 -1 194 -1 460 .DECK17 1911
X-1 559 -1 559 -1 559 -1 559 -1 559 -1 559 .DECK17 1912
X 8224E-01. 8224E-01. 8274E-01. 8274E-01. 8274E-01. 8274E-01. .DECK17 1913
X-15 72 - 4178 - 4131 - 4131 - 4131 - 4131 .DECK17 1914
X- 4366 - 4366 - 4366 - 8819E-02. -1 174 -1 379 .DECK17 1915
X-1 325 -1 443 -1 512 -1 607 -1 607 -1 607 .DECK17 1916
X 4248E-01. 7821E-01. 7873E-01. 7821E-01. 7855E-01. 7873E-01. .DECK17 1917
X 7873E-01. 7873E-01. 7873E-01. -15 37 - 4338 - 4338 .DECK17 1918
X- 4508 - 4493 - 4493 - 4493 - 4493 - 4493 .DECK17 1919
X- 8752E-02. -1 224 -1 435 -1 367 -1 491 -1 563 .DECK17 1920
X-1 653 -1 653 -1 653 -1 787E-01. 7853E-01. 7853E-01. .DECK17 1921
X 7453E-01. 7453E-01. 7506E-01. 7506E-01. 7506E-01. 7506E-01. .DECK17 1922
X-16 94 - 4511 - 4545 - 4545 - 4545 - 4545 .DECK17 1923
X- 4699 - 4699 - 4699 - 8702E-02. -1 271 -1 490 .DECK17 1924
X-1 408 -1 537 -1 612 -1 699 -1 699 -1 699 .DECK17 1925
DATA (X137) JKL=1. 1081/ MOD1
X- 7790E-04. -7710E-04. -7710E-04. -2260 - 2260 - 2260 .DECK17 1927
K- 3742 - 3742 - 3742 - 6084E-04. -6360E-04. -6360E-04. .DECK17 1928
K- 2260 - 2260 - 2260 - 3742 - 3742 - 3742 .DECK17 1929
X- 5284E-04. -5010E-04. -5010E-04. -7 2260 - 2260 - 2260 .DECK17 1930
K- 3742 - 3742 - 3742 - 3742 - 3742 - 3742 .DECK17 1931
K- 3453 - 3531 - 3531 - 3733 - 3733 - 3733 .DECK17 1932
K- 3 672 - 2110 - 215 - 3366 - 3434 - 3466 .DECK17 1933
K- 3173 - 3173 - 3173 - 2002E-02. -2391E-01. -2651E-01. .DECK17 1934
X- 2924 - 2970 - 299 - 4271 - 4271 - 4271 .DECK17 1935
X-12 15 - 3103 - 317 - 2649 - 2703 - 2729 .DECK17 1936
K- 2295 - 2295 - 2295 - 7 572 - 3200 - 3333 .DECK17 1937
K- 3696 - 3742 - 3824 - 3998 - 3998 - 3998 .DECK17 1938
X- 2588E-02. -1709 - 1819 - 1450 - 1450 - 1450 .DECK17 1939
X- 4723 - 4723 - 4723 - 9 941 - 1313 - 1263 .DECK17 1940
X 7717E-01. 7641E-01. 7322E-01. -3161E-01. -3161E-01. -3161E-01. .DECK17 1941
X-9 587 - 3799 - 3858 - 3967 - 3967 - 3967 .DECK17 1942
K- 3401 - 3401 - 3401 - 2469E-02. -2341 - 2589 .DECK17 1943
X- 3854 - 4042 - 4138 - 5126 - 5126 - 5126 .DECK17 1944
DATA (X137) JKL=109. 2161/ MOD1
X- J 717 - 8872E-01. 9609E-01. -9 1099 - 1131 - 1159 .DECK17 1945
X 1309 - 1309 - 1309 - 2922 - 2922 - 2922 .DECK17 1946
X- 2642 - 2726 - 2765 - 2512 - 2512 - 2512 .DECK17 1947
X- 2393E-02. -2876 - 3205 - 4228 - 4476 - 4610 .DECK17 1948
X- 5495 - 5495 - 5495 - 1881 - 1881 - 1881 .DECK17 1949
X 1881 - 1881 - 1881 - 1881 - 1881 - 1881 .DECK17 1950
X-6 797 - 2005 - 2059 - 1644 - 1711 - 1725 .DECK17 1951
X- 1459 - 1459 - 1459 - 2215E-02. -3741 - 3775 .DECK17 1952
X- 4595 - 4868 - 5075 - 5837 - 5837 - 5837 .DECK17 1953
X 1913 - 1884 - 1886 - 1886 - 1886 - 1886 .DECK17 1954
X 1886 - 1886 - 1886 - 279 - 2001 - 2001 .DECK17 1955
X- 1637 - 1706 - 1729 - 1518 - 1518 - 1518 .DECK17 1956
X- 1744E-02. -3754 - 4284 - 4876 - 5227 - 5424 .DECK17 1957
X- 6159 - 6159 - 6159 - 1898 - 1899 - 1899 .DECK17 1958
X 1899 - 1898 - 1898 - 1898 - 1898 - 1898 .DECK17 1959
X-1 515 - 1839 - 1962 - 1611 - 1704 - 1742 .DECK17 1960
X- 1574 - 1574 - 1574 - 1655E-02. -4127 - 4745 .DECK17 1961
X- 5165 - 5560 - 5785 - 6462 - 6462 - 6462 .DECK17 1962
DATA (X137) JKL=3241/ MOD1
K 2006 - 1917 - 1916 - 1917 - 1916 - 1916 .DECK17 1963
K- 1916 - 1916 - 1916 - 1 475 - 1769 - 1935 .DECK17 1964
X- 1583 - 1705 - 1768 - 1626 - 1626 - 1626 .DECK17 1965
K- 1299E-02. -4470 - 5167 - 5438 - 5873 - 6121 .DECK17 1966
K- 6752 - 6752 - 6752 - 2062 - 1937 - 1937 .DECK17 1967
X 1937 - 1937 - 1937 - 1937 - 1937 - 1937 .DECK17 1968
X- 677 - 1701 - 1916 - 1552 - 1775 - 1775 .DECK17 1969
X- 1675 - 1675 - 1675 - 9022E-03. -4787 - 5554 .DECK17 1970
X- 5496 - 6167 - 6439 - 7028 - 7028 - 7028 .DECK17 1971
X- 2122 - 1963 - 1961 - 1963 - 1963 - 1963 .DECK17 1972
X 1961 - 1961 - 1961 - 8 078 - 1634 - 1903 .DECK17 1973
X- 1517 - 1703 - 1794 - 1721 - 1721 - 1721 .DECK17 1974
X- 4690E-03. -5084 - 5919 - 5943 - 6447 - 6739 .DECK17 1975

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X- 7294 - 7294 - 7294 - 2186 - 1989 - 1987 - DECK17 - 1978
X- 1989 - 1988 - 1987 - 1987 - 1987 - 1987 - DECK17 - 1979
X- 11 67 - 1566 - 1891 - 1477 - 1699 - 1812 - DECK17 - 1980
X- 1782 - 1782 - 1782 - 7176E-05 - 6761 - 6761 - DECK17 - 1981
1990 X- 6178 - 6715 - 7025 - 7549 - 7549 - 7549 - DECK17 - 1982
DATA (X137) JKL=325, 1771/
X- 2253 - 2017 - 2013 - 2017 - 2014 - 2013 - DECK17 - 1984
X- 2013 - 2013 - 2013 - 15 88 - 1896 - 1896 - DECK17 - 1985
X- 1433 - 1693 - 1828 - 1800 - 1800 - 1800 - DECK17 - 1986
1985 X- 4930E-03 - 5628 - 6580 - 6405 - 6971 - 7299 - DECK17 - 1987
X- 7796 - 7796 - 7796 - 2323 - 2045 - 2041 - DECK17 - 1988
X- 2045 - 2045 - 2045 - 2045 - 2041 - 2041 - DECK17 - 1989
X- 19 38 - 1835 - 1835 - 1335 - 1017E-02 - 6884 - DECK17 - 1990
X- 1835 - 1835 - 1835 - 8035 - 8035 - 8035 - DECK17 - 1991
1990 X- 6623 - 7217 - 7662 - 2079 - 2079 - 2079 - DECK17 - 1992
X- 2079 - 2079 - 2079 - 23 49 - 1351 - 1873 - DECK17 - 1993
X- 1331 - 1673 - 1858 - 1867 - 1867 - 1867 - DECK17 - 1994
X- 1588E-02 - 6123 - 7174 - 6834 - 7455 - 7815 - DECK17 - 1995
1995 X- 8287 - 8287 - 8287 - 2098 - 2098 - 2098 - DECK17 - 1996
X- 2103 - 2099 - 2098 - 2098 - 2098 - 2098 - DECK17 - 1997
X- 27 75 - 1273 - 1867 - 1273 - 1659 - 1871 - DECK17 - 1998
X- 1895 - 1895 - 1895 - 2144E-02 - 6353 - 7451 - DECK17 - 1999
X- 7038 - 7684 - 8059 - 8493 - 8493 - 8493 - DECK17 - 2000
2000 DATA (X122) JKL=1, 1081/
X- 1 144 - 4020E-04 - 4020E-04 - 4110 - 4110 - 4110 - DECK17 - 2003
X- 5919 - 5919 - 5919 - 1 048 - 4020E-04 - 4020E-04 - DECK17 - 2004
X- 4110 - 4110 - 4110 - 5919 - 5919 - 5919 - DECK17 - 2005
X- 9147 - 4020E-04 - 4020E-04 - 4110 - 4110 - 4110 - DECK17 - 2006
2005 X- 5919 - 5919 - 5919 - 30 91 - 1215 - 1133 - DECK17 - 2007
X- 2911 - 2907 - 2911 - 3614 - 3614 - 3614 - DECK17 - 2008
X- 2 89 - 1978 - 1893 - 3801 - 4217 - 4229 - DECK17 - 2009
X- 5275 - 5275 - 5275 - 2255E-01 - 1840 - 1985 - DECK17 - 2010
X- 5156 - 5219 - 5246 - 6618 - 6618 - 6618 - DECK17 - 2011
1010 X- 18 52 - 5952E-01 - 5028E-01 - 9720E-01 - 9452E-01 - 9349E-01 - DECK17 - 2012
X- 1083 - 1083 - 1083 - 23 52 - 2257 - 2193 - DECK17 - 2013
X- 3513 - 3518 - 3529 - 4037 - 4037 - 4037 - DECK17 - 2014
X- 1620E-01 - 3264 - 3457 - 5933 - 6081 - 6151 - DECK17 - 2015
1015 X- 7225 - 7225 - 7225 - 7 221 - 3145E-01 - 3645E-01 - DECK17 - 2016
X- 2877E-01 - 3082E-01 - 3184E-01 - 3091E-01 - 3091E-01 - 3091E-01 - DECK17 - 2017
X- 18 10 - 1949 - 1883 - 3478 - 3478 - 3478 - DECK17 - 2018
X- 2672 - 2672 - 2672 - 1353E-01 - 4373 - 4729 - DECK17 - 2019
X- 6575 - 6797 - 6906 - 7772 - 7772 - 7772 - DECK17 - 2020
2020 DATA (X122) JKL=109, 2181/
X- 1 306 - 6657E-01 - 6742E-01 - 6684E-01 - 6730E-01 - 6763E-01 - DECK17 - 2022
X- 6762E-01 - 6762E-01 - 6762E-01 - 14 10 - 1246 - 1179 - DECK17 - 2023
X- 1419 - 1295 - 1387 - 1452 - 1452 - 1452 - DECK17 - 2024
X- 1234E-01 - 5273 - 5775 - 7140 - 7419 - 7589 - DECK17 - 2025
1025 X- 8278 - 8278 - 8278 - 5645E-01 - 5645E-01 - 5645E-01 - DECK17 - 2026
X- 6645E-01 - 6645E-01 - 6645E-01 - 6645E-01 - 6645E-01 - 6645E-01 - DECK17 - 2027
X- 9 761 - 5259E-01 - 5259E-01 - 5259E-01 - 5259E-01 - 5160E-01 - DECK17 - 2028
X- 5259E-01 - 5259E-01 - 5259E-01 - 1102E-01 - 8032 - 6859 - DECK17 - 2029
X- 7852 - 7877 - 8161 - 8761 - 8761 - 8761 - DECK17 - 2030
1030 X- 5892E-01 - 5892E-01 - 5892E-01 - 5892E-01 - 5892E-01 - 5892E-01 - DECK17 - 2031
X- 5892E-01 - 5892E-01 - 5892E-01 - 9 117 - 6407E-01 - 5829E-01 - DECK17 - 2032
X- 5892E-01 - 5892E-01 - 5892E-01 - 5892E-01 - 5892E-01 - 5892E-01 - DECK17 - 2033
X- 1044E-01 - 6704E-01 - 6174E-01 - 6216E-01 - 6216E-01 - 6216E-01 - DECK17 - 2034
X- 9197 - 9197 - 9197 - 6222E-01 - 6222E-01 - 6222E-01 - DECK17 - 2035
X- 6272E-01 - 6272E-01 - 6272E-01 - 6272E-01 - 6272E-01 - 6272E-01 - DECK17 - 2036
1035 X- 8 581 - 7192E-01 - 6853E-01 - 7272E-01 - 7209E-01 - 7081E-01 - DECK17 - 2037
X- 7081E-01 - 7081E-01 - 7081E-01 - 9973E-02 - 7281 - 8082 - DECK17 - 2038
X- 8564 - 8960 - 9159 - 9621 - 9621 - 9621 - DECK17 - 2039
2040 DATA (X122) JKL=217, 3241/
X- 4748E-01 - 4748E-01 - 4748E-01 - 4748E-01 - 4748E-01 - 4748E-01 - DECK17 - 2041
X- 4748E-01 - 4748E-01 - 4748E-01 - 9 133 - 7264E-01 - 7757E-01 - DECK17 - 2042
X- 8297E-01 - 8036E-01 - 7908E-01 - 7892E-01 - 7892E-01 - 7892E-01 - DECK17 - 2043
X- 9632E-02 - 7815 - 8680 - 8979 - 9408 - 9616 - DECK17 - 2044
X- 1 003 - 1 003 - 1 003 - 4295E-01 - 4295E-01 - 4295E-01 - DECK17 - 2045
1045 X- 4295E-01 - 4295E-01 - 4295E-01 - 4295E-01 - 4295E-01 - 4295E-01 - DECK17 - 2046
X- 7 747 - 9053E-01 - 8672E-01 - 9060E-01 - 8800E-01 - 8671E-01 - DECK17 - 2047
X- 8641E-01 - 8641E-01 - 8641E-01 - 9373E-02 - 8308 - 9325 - DECK17 - 2048
X- 9373 - 9325 - 1 005 - 1 043 - 1 043 - 1 043 - DECK17 - 2049
X- 3897E-01 - 3897E-01 - 3897E-01 - 3897E-01 - 3897E-01 - 3897E-01 - DECK17 - 2050
1050 X- 3897E-01 - 3897E-01 - 3897E-01 - 7 412 - 9779E-01 - 9319E-01 - DECK17 - 2051
X- 9772E-01 - 9512E-01 - 9344E-01 - 9344E-01 - 9344E-01 - 9344E-01 - DECK17 - 2052
X- 9175E-02 - 8763 - 9725 - 9750 - 1 022 - 1 045 - DECK17 - 2053
X- 1 079 - 1 079 - 1 079 - 3541E-01 - 3541E-01 - 3541E-01 - DECK17 - 2054
X- 3541E-01 - 3541E-01 - 3541E-01 - 3541E-01 - 3541E-01 - 3541E-01 - DECK17 - 2055
X- 7 115 - 1046 - 1001 - 1044 - 1018 - 1005 - DECK17 - 2056

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2055 X- 1001 - 1001 - 1001 - 902NE-02 - 9192 - -1 019 - /DECK17 2057
X- 1 011 - -1 041 - -1 084 - -1 115 - -1 115 - -1 115 - /DECK17 2058
DATA (X132(JKL), JKL=325, 4321/
X- 1221E-01 - 1221E-01 - 1221E-01 - 1221E-01 - 1221E-01 - 1221E-01 - /DECK17 2060
X- 1221E-01 - 1221E-01 - 1221E-01 - 6 854 - 1109 - 1068 - /DECK17 2061
X- 1108 - 1082 - 1068 - 1068 - 1068 - 1068 - /DECK17 2062
X- 8907E-02 - 9597 - 1 063 - 1 063 - 1 097 - 1 122 - /DECK17 2063
X- 1 160 - 1 160 - 1 160 - 2929E-01 - 2929E-01 - 2929E-01 - /DECK17 2064
X- 2929E-01 - 2929E-01 - 2929E-01 - 2929E-01 - 2929E-01 - 2929E-01 - /DECK17 2065
X- 6 620 - 1169 - 1128 - 1168 - 1142 - 1129 - /DECK17 2066
X- 1124 - 1124 - 1124 - 8818E-02 - 9982 - -1 104 - /DECK17 2067
X- 1 079 - -1 133 - -1 153 - -1 183 - -1 183 - -1 183 - /DECK17 2068
X- 2661E-01 - 2661E-01 - 2661E-01 - 2661E-01 - 2661E-01 - 2661E-01 - /DECK17 2069
X- 2661E-01 - 2661E-01 - 2661E-01 - 6 408 - 1227 - 1186 - /DECK17 2070
X- 1224 - 1200 - 1186 - 1181 - 1181 - 1181 - /DECK17 2071
X- 8751E-02 - 1 035 - 1 153 - -1 112 - -1 162 - -1 132 - /DECK17 2072
X- 1 217 - 1 217 - 1 217 - 2414E-01 - 2414E-01 - 2414E-01 - /DECK17 2073
X- 2414E-01 - 2414E-01 - 2414E-01 - 2414E-01 - 2414E-01 - 2414E-01 - /DECK17 2074
X- 6 214 - 1282 - 1242 - 1283 - 1255 - 1241 - /DECK17 2075
X- 1233 - 1233 - 1233 - 8701E-02 - 1 070 - -1 181 - /DECK17 2076
X- 1 143 - 1 200 - 1 226 - -1 249 - -1 249 - -1 249 - /DECK17 2077
DATA (X138(JKL), JKL=1, 1081/
X- 7790E-04 - 7710E-04 - 7710E-04 - 2056 - 2056 - 2056 - /DECK17 2079
X- 2780 - 2780 - 2780 - 6051E-04 - 6180E-04 - 6180E-04 - /DECK17 2080
X- 2056 - 2056 - 2056 - 2056 - 2056 - 2056 - /DECK17 2081
X- 4384E-04 - 5010E-04 - 5010E-04 - 2056 - 2056 - 2056 - /DECK17 2082
X- 2960 - 2960 - 2960 - 6 217 - 2262 - 2299 - /DECK17 2083
X- 2215 - 2293 - 2293 - 2099 - 2099 - 2099 - /DECK17 2084
X- 3 440 - 1878 - 1914 - 2670 - 2670 - 2670 - /DECK17 2085
X- 2870 - 2870 - 2870 - 2001E-02 - 9200E-01 - 9449E-01 - /DECK17 2086
X- 2578 - 2610 - 2623 - 3309 - 3309 - 3309 - /DECK17 2087
X- 6 755 - 1288 - 1287 - 7808E-01 - 7748E-01 - 7680E-01 - /DECK17 2088
X- 5108E-01 - 5108E-01 - 5108E-01 - 6 854 - 2387 - 2387 - /DECK17 2089
X- 2309 - 2346 - 2343 - 2267 - 2267 - 2267 - /DECK17 2090
X- 2388E-02 - 1632 - 1729 - 2966 - 3090 - 3076 - /DECK17 2091
X- 2612 - 2612 - 2612 - 2 795 - 2483E-01 - 2551E-01 - /DECK17 2092
X- 4604E-01 - 4749E-01 - 4855E-01 - 5763E-01 - 5763E-01 - 5763E-01 - /DECK17 2093
X- 6 672 - 1867 - 1888 - 1596 - 1610 - 1613 - /DECK17 2094
X- 1453 - 1453 - 1453 - 2469E-02 - 2186 - 2365 - /DECK17 2095
X- 3283 - 3398 - 3553 - 3896 - 3896 - 3896 - /DECK17 2096
2095 DATA (X138(JKL), JKL=109, 2161/
X- 2192 - 8968E-01 - 9038E-01 - 9176E-01 - 9202E-01 - 9220E-01 - /DECK17 2098
X- 9299E-01 - 9299E-01 - 9299E-01 - 5 133 - 1041 - 1017 - /DECK17 2099
X- 7202E-01 - 7662E-01 - 7876E-01 - 6288E-01 - 6288E-01 - 6288E-01 - /DECK17 2100
X- 2393E-02 - 2636 - 2898 - 3670 - 3710 - 3780 - /DECK17 2101
X- 4139 - 4139 - 4139 - 9567E-01 - 9567E-01 - 9567E-01 - /DECK17 2102
X- 9567E-01 - 9567E-01 - 9567E-01 - 9567E-01 - 9567E-01 - 9567E-01 - /DECK17 2103
X- 2 797 - 2160E-01 - 7808E-01 - 1467E-02 - 8404E-02 - 1262E-02 - /DECK17 2104
X- 6420E-02 - 6420E-02 - 6420E-02 - 2215E-02 - 3016 - 3328 - /DECK17 2105
X- 3826 - 3989 - 4071 - 4375 - 4375 - 4375 - /DECK17 2106
X- 9588E-01 - 9588E-01 - 9588E-01 - 9588E-01 - 9588E-01 - 9588E-01 - /DECK17 2107
X- 9588E-01 - 9588E-01 - 9588E-01 - 1 744 - 1708E-01 - 1785E-01 - /DECK17 2108
X- 3170E-02 - 3688E-02 - 3688E-02 - 4106E-02 - 4106E-02 - 4106E-02 - /DECK17 2109
X- 1963E-02 - 3346 - 3707 - 4062 - 4244 - 4336 - /DECK17 2110
X- 4599 - 4599 - 4599 - 9653E-01 - 9653E-01 - 9653E-01 - /DECK17 2111
X- 9653E-01 - 9653E-01 - 9653E-01 - 9653E-01 - 9653E-01 - 9653E-01 - /DECK17 2112
X- 5592 - 1392E-01 - 1622E-01 - 3084E-02 - 3084E-02 - 3373E-02 - /DECK17 2113
X- 1994E-02 - 1994E-02 - 1994E-02 - 1655E-02 - 3640 - 4041 - /DECK17 2114
X- 4282 - 4480 - 4580 - 4811 - 4811 - 4811 - /DECK17 2115
2115 DATA (X138(JKL), JKL=217, 3281/
X- 9747E-01 - 9747E-01 - 9747E-01 - 9747E-01 - 9747E-01 - 9747E-01 - /DECK17 2117
X- 9747E-01 - 9747E-01 - 9747E-01 - 6599 - 1118E-01 - 1027E-01 - /DECK17 2118
X- 2865E-02 - 3540E-02 - 3234E-02 - 6183E-04 - 6183E-04 - 6183E-04 - /DECK17 2119
X- 1299E-02 - 1907 - 3240 - 4702 - 4808 - 4808 - /DECK17 2120
X- 5013 - 5013 - 5013 - 9861E-01 - 9861E-01 - 9861E-01 - /DECK17 2121
X- 9861E-01 - 9861E-01 - 9861E-01 - 9861E-01 - 9861E-01 - 9861E-01 - /DECK17 2122
X- 1 997 - 9036E-02 - 9502E-02 - 2696E-02 - 4109E-02 - 4168E-02 - /DECK17 2123
X- 1713E-02 - 1713E-02 - 1713E-02 - 9021E-03 - 4153 - 4612 - /DECK17 2124
X- 4687 - 4912 - 5023 - 5208 - 5208 - 5208 - /DECK17 2125
X- 9987E-01 - 9987E-01 - 9987E-01 - 9987E-01 - 9987E-01 - 9987E-01 - /DECK17 2126
X- 9987E-01 - 9987E-01 - 9987E-01 - 3 417 - 7189E-02 - 9124E-02 - /DECK17 2127
X- 2471E-02 - 4678E-02 - 5130E-02 - 3362E-02 - 3362E-02 - 3362E-02 - /DECK17 2128
X- 4690E-03 - 4381 - 4863 - 4876 - 5112 - 5227 - /DECK17 2129
X- 5395 - 5395 - 5395 - 1012 - 1012 - 1012 - /DECK17 2130
X- 1012 - 1012 - 1012 - 1012 - 1012 - 1012 - /DECK17 2131
X- 6 914 - 5531E-02 - 9011E-02 - 3174E-02 - 5226E-02 - 6091E-02 - /DECK17 2132
X- 4671E-02 - 4671E-02 - 4671E-02 - 3212E-05 - 5096 - 5096 - /DECK17 2133
X- 5056 - 5303 - 5422 - 5576 - 5576 - 5576 - /DECK17 2134
DATA (X138(JKL), JKL=325, 4321/
MOD1 122

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2135      X-1026      1026      1026      1026      1026      1026      DECK17      2136
      X-1026      1026      1026      1026      1026      1026      DECK17      2137
      X-1799E-02    1799E-02    1799E-02    1799E-02    1799E-02    1799E-02    DECK17      2138
      X-5751      5751      5751      5751      5751      5751      DECK17      2139
      X-1041      1041      1041      1041      1041      1041      DECK17      2140
      X-2604E-02    2604E-02    2604E-02    2604E-02    2604E-02    2604E-02    DECK17      2141
      X-5387      5387      5387      5387      5387      5387      DECK17      2142
      X-1054      1054      1054      1054      1054      1054      DECK17      2143
      X-1054      1054      1054      1054      1054      1054      DECK17      2144
      X-8044E-02    8044E-02    8044E-02    8044E-02    8044E-02    8044E-02    DECK17      2145
      X-1844E-02    1844E-02    1844E-02    1844E-02    1844E-02    1844E-02    DECK17      2146
      X-6085      6085      6085      6085      6085      6085      DECK17      2147
      X-1071      1071      1071      1071      1071      1071      DECK17      2148
      X-1181      1181      1181      1181      1181      1181      DECK17      2149
      X-1000E-01    1000E-01    1000E-01    1000E-01    1000E-01    1000E-01    DECK17      2150
      X-5717      5717      5717      5717      5717      5717      DECK17      2151
      DATA (X123:JL1,JL=1,108)/
      X-1163      1163      1163      1163      1163      1163      DECK17      2152
      X-4893      4893      4893      4893      4893      4893      DECK17      2153
      X-3760      3760      3760      3760      3760      3760      DECK17      2154
      X-9147      9147      9147      9147      9147      9147      DECK17      2155
      X-4893      4893      4893      4893      4893      4893      DECK17      2156
      X-2097      2097      2097      2097      2097      2097      DECK17      2157
      X-2215      2215      2215      2215      2215      2215      DECK17      2158
      X-4035      4035      4035      4035      4035      4035      DECK17      2159
      X-4525      4525      4525      4525      4525      4525      DECK17      2160
      X-1032      1032      1032      1032      1032      1032      DECK17      2161
      X-3377E-01    3377E-01    3377E-01    3377E-01    3377E-01    3377E-01    DECK17      2162
      X-2478      2478      2478      2478      2478      2478      DECK17      2163
      X-1120E-01    1120E-01    1120E-01    1120E-01    1120E-01    1120E-01    DECK17      2164
      X-5873      5873      5873      5873      5873      5873      DECK17      2165
      X-3474E-01    3474E-01    3474E-01    3474E-01    3474E-01    3474E-01    DECK17      2166
      X-1332      1332      1332      1332      1332      1332      DECK17      2167
      X-1327      1327      1327      1327      1327      1327      DECK17      2168
      X-6711      6711      6711      6711      6711      6711      DECK17      2169
      DATA (X123:JL1,JL=109,216)/
      X-7054E-01    7054E-01    7054E-01    7054E-01    7054E-01    7054E-01    DECK17      2170
      X-4054E-01    4054E-01    4054E-01    4054E-01    4054E-01    4054E-01    DECK17      2171
      X-5197E-01    5197E-01    5197E-01    5197E-01    5197E-01    5197E-01    DECK17      2172
      X-1204E-01    1204E-01    1204E-01    1204E-01    1204E-01    1204E-01    DECK17      2173
      X-6685      6685      6685      6685      6685      6685      DECK17      2174
      X-3587E-01    3587E-01    3587E-01    3587E-01    3587E-01    3587E-01    DECK17      2175
      X-6053      6053      6053      6053      6053      6053      DECK17      2176
      X-9988E-03    9988E-03    9988E-03    9988E-03    9988E-03    9988E-03    DECK17      2177
      X-6661      6661      6661      6661      6661      6661      DECK17      2178
      X-3011E-01    3011E-01    3011E-01    3011E-01    3011E-01    3011E-01    DECK17      2179
      X-3011E-01    3011E-01    3011E-01    3011E-01    3011E-01    3011E-01    DECK17      2180
      X-6890E-02    6890E-02    6890E-02    6890E-02    6890E-02    6890E-02    DECK17      2181
      X-1044E-01    1044E-01    1044E-01    1044E-01    1044E-01    1044E-01    DECK17      2182
      X-7203      7203      7203      7203      7203      7203      DECK17      2183
      X-2631E-01    2631E-01    2631E-01    2631E-01    2631E-01    2631E-01    DECK17      2184
      X-3572      3572      3572      3572      3572      3572      DECK17      2185
      X-9992E-02    9992E-02    9992E-02    9992E-02    9992E-02    9992E-02    DECK17      2186
      X-7288      7288      7288      7288      7288      7288      DECK17      2187
      DATA (X123:JL1,JL=217,324)/
      X-2121E-01    2121E-01    2121E-01    2121E-01    2121E-01    2121E-01    DECK17      2188
      X-2121E-01    2121E-01    2121E-01    2121E-01    2121E-01    2121E-01    DECK17      2189
      X-1508E-01    1508E-01    1508E-01    1508E-01    1508E-01    1508E-01    DECK17      2190
      X-9630E-02    9630E-02    9630E-02    9630E-02    9630E-02    9630E-02    DECK17      2191
      X-8055      8055      8055      8055      8055      8055      DECK17      2192
      X-1762E-01    1762E-01    1762E-01    1762E-01    1762E-01    1762E-01    DECK17      2193
      X-3224      3224      3224      3224      3224      3224      DECK17      2194
      X-1762E-01    1762E-01    1762E-01    1762E-01    1762E-01    1762E-01    DECK17      2195
      X-7937      7937      7937      7937      7937      7937      DECK17      2196
      X-1443E-01    1443E-01    1443E-01    1443E-01    1443E-01    1443E-01    DECK17      2197
      X-1443E-01    1443E-01    1443E-01    1443E-01    1443E-01    1443E-01    DECK17      2198
      X-2197E-01    2197E-01    2197E-01    2197E-01    2197E-01    2197E-01    DECK17      2199
      X-9174E-02    9174E-02    9174E-02    9174E-02    9174E-02    9174E-02    DECK17      2200
      X-8658      8658      8658      8658      8658      8658      DECK17      2201
      X-1155E-01    1155E-01    1155E-01    1155E-01    1155E-01    1155E-01    DECK17      2202
      X-2385E-01    2385E-01    2385E-01    2385E-01    2385E-01    2385E-01    DECK17      2203
      X-8531      8531      8531      8531      8531      8531      DECK17      2204
      DATA (X123:JL1,JL=325,432)/
      X-8934E-02    8934E-02    8934E-02    8934E-02    8934E-02    8934E-02    DECK17      2205
      X-8934E-02    8934E-02    8934E-02    8934E-02    8934E-02    8934E-02    DECK17      2206
      X-2797E-01    2797E-01    2797E-01    2797E-01    2797E-01    2797E-01    DECK17      2207

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2215 X- 8904E-02. - 8112. - 8895. - 8812. - 9046. - 9118. - DECK17 2215
X- 9220. - 9220. - 9220. - 8626E-02. - 8626E-02. - 8626E-02. - DECK17 2216
X- 8626E-02. - 8626E-02. - 8626E-02. - 8626E-02. - 8626E-02. - 8626E-02. - DECK17 2217
X- 2 763. - 1113E-01. - 1881E-01. - 1073E-01. - 1881E-01. - 1881E-01. - DECK17 2218
X- 2952E-01. - 1962E-01. - 1962E-01. - 8818E-02. - 8618. - 8618. - DECK17 2219
X- 9034. - 9121. - 9121. - 9489. - 9489. - 9489. - DECK17 2220
X- 4296E-02. - 4296E-02. - 4296E-02. - 4296E-02. - 4296E-02. - 4296E-02. - DECK17 2221
X- 4296E-02. - 4296E-02. - 4296E-02. - 4296E-02. - 4296E-02. - 4296E-02. - DECK17 2222
X- 1114E-01. - 1218E-01. - 1218E-01. - 1218E-01. - 1218E-01. - 1218E-01. - DECK17 2223
X- 8749E-02. - 8931. - 9127. - 9127. - 9690. - 9690. - DECK17 2224
X- 9750. - 9750. - 9750. - 2217E-02. - 2217E-02. - 2217E-02. - DECK17 2225
X- 2217E-02. - 2217E-02. - 2217E-02. - 2217E-02. - 2217E-02. - 2217E-02. - DECK17 2226
X- 2 684. - 1638E-01. - 1638E-01. - 1638E-01. - 1638E-01. - 1638E-01. - DECK17 2227
X- 1463E-01. - 1463E-01. - 1463E-01. - 8699E-02. - 9213. - 9213. - DECK17 2228
X- 9603. - 9860. - 9942. - 1 000. - 1 000. - 1 000. - DECK17 2229
DATA (X139(JKL), JKL=1, 1081) /
X- 7790E-04. - 7710E-04. - 7710E-04. - 1880. - 1880. - 1880. - DECK17 2230
X- 2447. - 2447. - 2447. - 6360E-04. - 6360E-04. - 6360E-04. - DECK17 2231
X- 1880. - 1880. - 1880. - 2447. - 2447. - 2447. - DECK17 2232
X- 1880. - 1880. - 1880. - 2447. - 2447. - 2447. - DECK17 2233
X- 1880E-04. - 6010E-04. - 6010E-04. - 1880. - 1880. - 1880. - DECK17 2234
X- 2447. - 2447. - 2447. - 1741. - 1741. - 1741. - DECK17 2235
X- 1461. - 1461. - 1461. - 1306. - 1306. - 1306. - DECK17 2236
X- J 223. - 1673. - 1700. - 2078. - 2097. - 2106. - DECK17 2237
X- 2119. - 2119. - 2119. - 2001E-02. - 2015E-01. - 2258E-01. - DECK17 2238
X- 2238. - 2238. - 2238. - 2706. - 2706. - 2706. - DECK17 2239
X- J 751. - 4568E-01. - 4287E-01. - 1346E-01. - 1063E-01. - 1006E-01. - DECK17 2240
X- 9568E-04. - 9568E-04. - 9568E-04. - 1693. - 1693. - 1713. - DECK17 2241
X- 1507. - 1516. - 1519. - 1326. - 1326. - 1326. - DECK17 2242
X- 2388E-02. - 1541. - 1546. - 2602. - 2602. - 2602. - DECK17 2243
X- 2936. - 2936. - 2936. - 7646. - 4482E-01. - 4573E-01. - DECK17 2244
X- 5090E-01. - 5126E-01. - 5148E-01. - 5300E-01. - 5300E-01. - 5300E-01. - DECK17 2245
X- 943. - 1084. - 1084. - 7672E-01. - 7672E-01. - 7672E-01. - DECK17 2246
X- 6695E-01. - 6695E-01. - 6695E-01. - 2658E-02. - 2658. - 2199. - DECK17 2247
X- 2856. - 2921. - 2952. - 3147. - 3147. - 3147. - DECK17 2248
DATA (X139(JKL), JKL=109, 2161) /
X- 1562E-01. - 6071E-01. - 6076E-01. - 6088E-01. - 6088E-01. - 6070E-01. - DECK17 2249
X- 6093E-01. - 6093E-01. - 6093E-01. - 2 943. - 2708E-01. - 2178E-01. - DECK17 2250
X- 1164E-01. - 1084E-01. - 1021E-01. - 6141E-02. - 6141E-02. - 6141E-02. - DECK17 2251
X- 2392E-02. - 2429. - 2621. - 3078. - 3167. - 3193. - DECK17 2252
X- 1343. - 1343. - 1343. - 6100E-01. - 6100E-01. - 6100E-01. - DECK17 2253
X- 6100E-01. - 6100E-01. - 6100E-01. - 6100E-01. - 6100E-01. - 6100E-01. - DECK17 2254
X- 1 141. - 2376E-01. - 2605E-01. - 3053E-01. - 3107E-01. - 3148E-01. - DECK17 2255
X- 3304E-01. - 3304E-01. - 3304E-01. - 2214E-02. - 2742. - 2966. - DECK17 2256
X- 2281. - 3368. - 3509. - 3527. - 3527. - 3527. - DECK17 2257
X- 6111E-01. - 6111E-01. - 6111E-01. - 6111E-01. - 6111E-01. - 6111E-01. - DECK17 2258
X- 6111E-01. - 6111E-01. - 6111E-01. - 7007. - 2673E-01. - 2746E-01. - DECK17 2259
X- 3063E-01. - 3105E-01. - 3139E-01. - 3248E-01. - 3248E-01. - 3248E-01. - DECK17 2260
X- 1763E-02. - 3010. - 3266. - 3468. - 3563. - 3563. - DECK17 2261
X- 3702. - 3702. - 3702. - 6153E-01. - 6153E-01. - 6153E-01. - DECK17 2262
X- 6153E-01. - 6153E-01. - 6153E-01. - 6153E-01. - 6153E-01. - 6153E-01. - DECK17 2263
X- 2180. - 2714E-01. - 2866E-01. - 3075E-01. - 3102E-01. - 3128E-01. - DECK17 2264
X- 3206E-01. - 3206E-01. - 3206E-01. - 1658E-02. - 3249. - 3508. - DECK17 2265
X- 3644. - 3784. - 3788. - 3868. - 3868. - 3868. - DECK17 2266
DATA (X139(JKL), JKL=217, 3241) /
X- 6213E-01. - 6213E-01. - 6213E-01. - 6213E-01. - 6213E-01. - 6213E-01. - DECK17 2267
X- 6213E-01. - 6213E-01. - 6213E-01. - 3040. - 2821E-01. - 2932E-01. - DECK17 2268
X- 6213E-01. - 6213E-01. - 6213E-01. - 3175E-01. - 3175E-01. - 3175E-01. - DECK17 2269
X- 1090E-01. - 3100E-01. - 3119E-01. - 3175E-01. - 3175E-01. - 3175E-01. - DECK17 2270
X- 1299E-02. - 3459. - 3728. - 3810. - 3914. - 3959. - DECK17 2271
X- 4028. - 4028. - 4028. - 6287E-01. - 6287E-01. - 6287E-01. - DECK17 2272
X- 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - DECK17 2273
X- 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - DECK17 2274
X- 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - DECK17 2275
X- 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - 6287E-01. - DECK17 2276
X- 3968. - 4077. - 4122. - 4181. - 4181. - 4181. - DECK17 2277
X- 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - DECK17 2278
X- 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - DECK17 2279
X- 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - 6369E-01. - DECK17 2280
X- 6369E-03. - 3835. - 4114. - 4120. - 4231. - 4277. - DECK17 2281
X- 4329. - 4329. - 4329. - 6457E-01. - 6457E-01. - 6457E-01. - DECK17 2282
X- 6457E-01. - 6457E-01. - 6457E-01. - 6457E-01. - 6457E-01. - 6457E-01. - DECK17 2283
X- 2 082. - 3059E-01. - 3040E-01. - 3164E-01. - 3111E-01. - 3107E-01. - DECK17 2284
X- 3126E-01. - 3126E-01. - 3126E-01. - 3288E-05. - 4005. - 4286. - DECK17 2285
X- 4466. - 4380. - 4426. - 4472. - 4472. - 4472. - DECK17 2286
DATA (X139(JKL), JKL=325, 4327) /
X- 6549E-01. - 6549E-01. - 6549E-01. - 6549E-01. - 6549E-01. - 6549E-01. - DECK17 2287
X- 6549E-01. - 6549E-01. - 6549E-01. - 2 740. - 3123E-01. - 3063E-01. - DECK17 2288
X- 6549E-01. - 6549E-01. - 6549E-01. - 3120E-01. - 3120E-01. - 3120E-01. - DECK17 2289
X- 6549E-01. - 6549E-01. - 6549E-01. - 6549E-01. - 6549E-01. - 6549E-01. - DECK17 2290
X- 4610. - 4610. - 4610. - 6643E-01. - 6643E-01. - 6643E-01. - DECK17 2291
X- 6643E-01. - 6643E-01. - 6643E-01. - 6643E-01. - 6643E-01. - 6643E-01. - DECK17 2292
X- 6643E-01. - 6643E-01. - 6643E-01. - 6643E-01. - 6643E-01. - 6643E-01. - DECK17 2293

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2295 X 3 427 3183E-01 3083E-01 3212E-01 3131E-01 3132E-01 DECK17 2294
X 3118E-01 3118E-01 3118E-01 1017E-02 4319 4601 DECK17 2295
X 4542 4661 4707 4744 4744 DECK17 2296
X 6740E-01 6740E-01 6740E-01 6740E-01 6740E-01 6740E-01 DECK17 2297
X 6740E-01 6740E-01 6740E-01 3242E-01 3102E-01 DECK17 2298
X 3242E-01 3144E-01 3117E-01 3118E-01 3118E-01 3118E-01 DECK17 2299
X 1567E-02 4666 4747 4674 4674 DECK17 2300
X 4674 4674 4674 4674 4674 DECK17 2301
X 6837E-01 6837E-01 6837E-01 6837E-01 6837E-01 6837E-01 DECK17 2302
X 6837E-01 3299E-01 3119E-01 3280E-01 3159E-01 3138E-01 DECK17 2303
X 3121E-01 3121E-01 3121E-01 2143E-02 4606 4687 DECK17 2304
X 4601 4624 4602 4602 DECK17 2305
DATA (X124) JKL=1 1081/ MOD1 131
X-1 164 4020E-04 4020E-04 3459 3459 3459 DECK17 2307
X-4185 4185 4185 -1 048 4020E-04 4020E-04 DECK17 2308
X-3459 3459 3459 3459 3459 DECK17 2309
X-9147 4020E-04 4020E-04 3459 3459 DECK17 2310
X-4185 4185 4185 -21 24 6987E-01 6478E-01 DECK17 2311
X-1527 1525 1525 1671 1671 DECK17 2312
X-20 95 1484 2826 2826 DECK17 2313
X-3212 3212 3212 2263E-01 1767 1819 DECK17 2314
X-4137 4166 4179 4605 4605 DECK17 2315
X-5 749 3237E-02 5681E-02 4460E-02 4605E-02 3892E-02 DECK17 2316
X-5053E-02 5053E-02 5053E-02 18 18 1303 1432 DECK17 2317
X-1778 1777 1779 1867 1867 DECK17 2318
X-1620E-01 2988 3138 4619 4688 DECK17 2319
X-4983 4983 4682 2731E-01 2757E-01 DECK17 2320
X-2713E-01 2713E-01 2722E-01 2713E-01 2713E-01 DECK17 2321
X-9 293 4768E-01 4466E-01 7773E-01 7773E-01 7773E-01 DECK17 2322
X-7884E-01 7884E-01 7884E-01 1353E-01 3847 4086 DECK17 2323
X-5040 5118 5182 5332 5332 DECK17 2324
DATA (X124) JKL=109 2167/ MOD1 132
X 1677E-01 2477E-01 2477E-01 2477E-01 2477E-01 2477E-01 DECK17 2325
X 2477E-01 2477E-01 2477E-01 370 1560E-01 1391E-01 DECK17 2327
X 1677E-01 1633E-01 1620E-01 1540E-01 1540E-01 1540E-01 DECK17 2328
X-1204E-01 4625 4789 5408 5493 DECK17 2329
X-6659 6659 6659 1932E-01 1932E-01 1932E-01 DECK17 2330
X 1932E-01 1932E-01 1932E-01 1932E-01 1932E-01 1932E-01 DECK17 2331
X-1 688 9908E-02 1062E-01 1011E-01 1030E-01 1037E-01 DECK17 2332
X 1038E-01 1038E-01 1038E-01 1038E-01 5017 5430 DECK17 2333
X 6739 6833 6873 6967 6967 DECK17 2334
X 1444E-01 1444E-01 1444E-01 1444E-01 1444E-01 1444E-01 DECK17 2335
X 1444E-01 1444E-01 1444E-01 -1 677 6816E-02 7460E-02 DECK17 2336
X 7110E-02 7100E-02 7167E-02 7187E-02 7187E-02 DECK17 2337
X-1084E-01 6463 6796 6849 6147 6147 DECK17 2338
X-6259 6259 6259 1033E-01 1033E-01 1033E-01 DECK17 2339
X 1033E-01 1033E-01 1033E-01 1033E-01 1033E-01 1033E-01 DECK17 2340
X-1 485 4137E-02 4717E-02 4647E-02 4647E-02 4647E-02 DECK17 2341
X 4734E-02 4734E-02 4734E-02 9972E-02 6784 6784 DECK17 2342
X-6342 6442 6482 6539 6539 DECK17 2343
DATA (X124) JKL=217 3241/ MOD1 133
X 6765E-02 6765E-02 6765E-02 6765E-02 6765E-02 6765E-02 DECK17 2344
X 6765E-02 6765E-02 6765E-02 -1 407 1784E-02 2291E-02 DECK17 2345
X 2070E-02 2258E-02 2317E-02 2344E-02 2344E-02 2344E-02 DECK17 2347
X-9629E-02 6193 6529 6619 6722 6740 DECK17 2348
X-6806 6806 6806 1620E-02 1620E-02 1620E-02 DECK17 2349
X 1620E-02 1620E-02 1620E-02 1620E-02 1620E-02 1620E-02 DECK17 2350
X-1 341 4040E-03 9742E-04 1060E-03 7828E-04 1384E-03 DECK17 2351
X 1646E-03 1646E-03 1646E-03 6512 6843 DECK17 2352
X-6884 6388 7026 7064 7064 DECK17 2353
X 7960E-03 7960E-03 7960E-03 7960E-03 7960E-03 7960E-03 DECK17 2354
X 7960E-03 7960E-03 7960E-03 -1 243 2384E-02 1912E-02 DECK17 2355
X-2106E-02 1924E-02 1866E-02 1841E-02 1841E-02 1841E-02 DECK17 2356
X-2172E-02 6802 7132 7119 7244 7280 DECK17 2357
X-7312 7312 7312 1771E-02 1771E-02 1771E-02 DECK17 2358
X-1771E-02 1771E-02 1771E-02 1771E-02 1771E-02 1771E-02 DECK17 2359
X-1 232 4219E-02 3771E-02 3962E-02 3782E-02 3724E-02 DECK17 2360
X-3701E-02 3701E-02 3701E-02 9021E-02 7088 7405 DECK17 2361
X-7384 7489 7526 7563 7563 DECK17 2362
DATA (X124) JKL=325 4321/ MOD1 134
X-4130E-02 4130E-02 4130E-02 4130E-02 4130E-02 4130E-02 DECK17 2364
X-4130E-02 4130E-02 4130E-02 -1 187 5931E-03 5505E-03 DECK17 2365
X-6698E-02 5514E-02 5460E-02 5438E-02 5438E-02 5438E-02 DECK17 2366
X-8904E-02 7352 7660 7620 7727 7741 DECK17 2367
X-7785 7785 6314E-02 6314E-02 6314E-02 6314E-02 DECK17 2368
X-6314E-02 6314E-02 6314E-02 6314E-02 6314E-02 6314E-02 DECK17 2369
X-1 147 7540E-02 7132E-02 7323E-02 7145E-02 7090E-02 DECK17 2370
X-7070E-02 7070E-02 7070E-02 8815E-02 7604 7905 DECK17 2371
X-7849 7957 7990 8011 8011 DECK17 2372
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2450 X 1547E-02 - 1923 - 4070 - 4036 - 4090 - 4106 DECK17 2452
X 4116 - 4116 - 4116 - 4876E-01 - 4876E-01 - 4876E-01 DECK17 2453
X 4876E-01 - 4876E-01 - 4876E-01 - 4876E-01 - 4876E-01 - 4876E-01 DECK17 2454
X 2 048 - 3738E-01 - 3738E-01 - 3738E-01 - 3738E-01 - 3738E-01 DECK17 2455
2455 X 3707E-01 - 3707E-01 - 3707E-01 - 2142E-02 - 4019 - 4181 DECK17 2456
X 4181 - 4198 - 4211 - 4223 - 4223 - 4223 DECK17 2457
DATA (X125, JKL), JKL=1, 1081/
X 7886E-01 - 441 5 - 489 3 - 450 5 - 486 0 - 550 1 DECK12 2458
X 611 0 - 611 0 - 611 0 - 611 0 - 611 0 - 611 0 DECK12 2459
X 450 5 - 496 0 - 496 0 - 450 5 - 496 0 - 496 0 DECK12 2460
2460 X 8938E-01 - 441 6 - 496 0 - 450 5 - 496 0 - 496 0 DECK12 2461
X 411 0 - 611 0 - 611 0 - 6720E-01 - 183 2 - 183 2 DECK12 2462
X 198 2 - 248 2 - 112 2 - 183 2 - 183 2 - 183 2 DECK17 2463
X 8503E-03 - 257 7 - 137 1 - 258 9 - 392 4 - 409 7 DECK17 2464
X 447 0 - 447 0 - 447 0 - 1250E-02 - 342 6 - 409 7 DECK17 2465
2465 X 355 3 - 316 1 - 480 3 - 551 1 - 551 1 - 551 1 DECK17 2466
X 1622E-03 - 81 45 - 188 5 - 88 09 - 121 9 - 170 5 DECK17 2467
X 192 5 - 192 5 - 192 5 - 1481E-03 - 158 9 - 240 7 DECK17 2468
X 170 5 - 221 2 - 256 8 - 313 0 - 313 0 - 313 0 DECK17 2469
X 6812E-03 - 226 6 - 184 7 - 287 1 - 525 5 - 525 5 DECK17 2470
2470 X 508 1 - 508 1 - 508 1 - 2161E-06 - 33 36 - 72 81 DECK17 2471
X 36 08 - 53 61 - 80 79 - 88 76 - 88 76 - 216 0 DECK17 2472
X 1342E-03 - 102 0 - 177 9 - 112 3 - 156 6 - 216 0 DECK17 2473
X 250 0 - 250 0 - 250 0 - 3283E-03 - 248 1 - 472 9 DECK17 2474
X 248 2 - 311 5 - 468 9 - 468 9 - 468 9 - 468 9 DECK17 2475
2475 DATA (X125, JKL), JKL=109, 2161/
X 5090E-04 - 2 239 - 22 01 - 9 697 - 14 87 - 23 20 DECK17 2476
X 23 40 - 23 40 - 23 40 - 1892E-04 - 67 81 - 134 6 DECK17 2477
X 76 98 - 110 0 - 180 5 - 186 5 - 186 5 - 186 5 DECK17 2478
2480 X 2117E-03 - 190 0 - 246 8 - 213 4 - 276 2 - 342 9 DECK17 2479
X 439 1 - 439 1 - 439 1 - 1102E-06 - 1262E-04 - 2879E-04 DECK17 2480
X 1261E-04 - 1874E-04 - 2880E-04 - 2875E-04 - 2875E-04 - 2880E-04 DECK17 2481
X 7607E-05 - 46 21 - 101 5 - 51 55 - 78 04 - 118 5 DECK17 2482
X 135 4 - 135 4 - 135 4 - 7260E-04 - 158 9 - 206 9 DECK17 2483
X 185 4 - 243 1 - 310 6 - 414 2 - 414 2 - 414 2 DECK17 2484
2485 X 1155E-04 - 1129E-04 - 3020E-04 - 1123E-04 - 1966E-04 - 1020E-04 DECK17 2485
X 1016E-04 - 1016E-04 - 1020E-04 - 1 421 - 44 36 - 100 1 DECK17 2486
X 50 54 - 76 94 - 118 2 - 136 2 - 136 2 - 136 2 DECK17 2487
X 1871E-04 - 132 7 - 171 5 - 162 0 - 216 3 - 282 2 DECK17 2488
2490 X 293 0 - 393 0 - 393 0 - 12 75 - 178 1 - 115 5 DECK17 2489
X 1182E-04 - 2053E-04 - 3154E-04 - 31 0E-04 - 3154E-04 - 3154E-04 DECK17 2490
X 1942E-04 - 42 82 - 99 34 - 49 41 - 76 17 - 118 3 DECK17 2491
X 137 2 - 137 2 - 137 2 - 1319E-03 - 110 1 - 139 6 DECK17 2492
X 142 1 - 193 0 - 252 1 - 374 7 - 374 7 - 374 7 DECK17 2493
2495 DATA (X125, JKL), JKL=217, 3241/
X 1256E-06 - 1439E-04 - 3283E-04 - 1438E-04 - 2137E-04 - 3283E-04 DECK17 2494
X 1278E-04 - 3283E-04 - 3283E-04 - 5917E-04 - 41 53 - 98 70 DECK17 2495
X 48 51 - 78 54 - 118 5 - 128 8 - 172 4 - 234 6 DECK17 2496
2500 X 2125E-03 - 90 15 - 110 6 - 128 8 - 172 4 - 234 6 DECK17 2497
X 358 6 - 358 6 - 358 6 - 1303E-06 - 1493E-04 - 3407E-04 DECK17 2498
X 1492E-04 - 2218E-04 - 3407E-04 - 3402E-04 - 3405E-04 - 3407E-04 DECK17 2499
X 2215E-04 - 40 43 - 98 23 - 47 78 - 75 17 - 119 0 DECK17 2500
2505 X 139 7 - 139 7 - 139 7 - 2837E-03 - 72 36 - 83 98 DECK17 2501
X 109 5 - 153 9 - 214 2 - 344 4 - 344 4 - 344 4 DECK17 2502
X 1349E-06 - 1546E-04 - 3526E-04 - 1545E-04 - 2296E-04 - 3527E-04 DECK17 2503
X 3521E-04 - 3524E-04 - 3527E-04 - 3347E-04 - 19 48 - 97 93 DECK17 2504
2510 X 49 14 - 76 86 - 119 5 - 141 1 - 141 1 - 141 1 DECK17 2505
X 3478E-03 - 56 29 - 59 38 - 95 76 - 137 1 - 195 5 DECK17 2506
X 331 7 - 331 7 - 331 7 - 1393E-06 - 1596E-04 - 1642E-04 DECK17 2507
X 1595E-04 - 2371E-04 - 3642E-04 - 3637E-04 - 3640E-04 - 3642E-04 DECK17 2508
2515 X 1090E-03 - 38 66 - 97 76 - 48 71 - 74 71 - 120 1 DECK17 2509
X 142 5 - 142 5 - 142 5 - 4063E-03 - 41 62 - 36 47 DECK17 2510
X 83 37 - 12 8 - 178 4 - 320 3 - 320 3 - 320 3 DECK17 2511
2520 DATA (X125, JKL), JKL=325, 4321/
X 1436E-06 - 1646E-04 - 3756E-04 - 1645E-04 - 2444E-04 - 3754E-04 DECK17 2512
X 3749E-04 - 3752E-04 - 3755E-04 - 1233E-03 - 37 94 - 97 70 DECK17 2513
X 46 32 - 74 65 - 120 9 - 144 0 - 144 0 - 144 0 DECK17 2514
2525 X 4602E-03 - 28 12 - 15 03 - 72 04 - 107 7 - 162 5 DECK17 2515
X 309 9 - 309 9 - 309 9 - 1478E-06 - 1693E-04 - 3863E-04 DECK17 2516
X 1692E-04 - 2515E-04 - 3863E-04 - 1857E-06 - 3860E-04 - 3863E-04 DECK17 2517
X 1348E-03 - 37 31 - 97 72 - 46 01 - 74 67 - 121 7 DECK17 2518
2530 X 145 8 - 145 8 - 145 8 - 5103E-03 - 15 40 - 5 14 DECK17 2519
X 61 65 - 98 60 - 147 5 - 300 5 - 300 5 - 300 5 DECK17 2520
X 1518E-06 - 1740E-04 - 3969E-04 - 1739E-04 - 2583E-04 - 3969E-04 DECK17 2521
X 3963E-04 - 3966E-04 - 3969E-04 - 1495E-03 - 34 75 - 97 83 DECK17 2522
2535 X 45 76 - 74 75 - 122 5 - 147 2 - 147 2 - 147 2 DECK17 2523
X 5573E-03 - 3 930 - 24 20 - 52 02 - 82 42 - 123 8 DECK17 2524
X 291 9 - 291 9 - 291 9 - 1558E-06 - 1785E-04 - 4072E-04 DECK17 2525
X 1784E-04 - 2651E-04 - 4072E-04 - 4066E-04 - 4069E-04 - 4072E-04 DECK17 2526
```

2530	X 1616E-03	-36 25	-98 00	-45 56	-74 88	-123 5	DECK17	2531
	X-148 8	-148 8	-148 8	6015E-03	7 018	42 27	DECK17	2532
	X-43 04	-71 02	-120 8	-283 9	-283 9	-283 9	DECK17	2533
	DATA (XIN1) JKL=109						MOD1	2534
	X-1570E-06	-147 4	-490 0	-110 3	-211 5	-367 2	DECK17	2535
	X-244 5	-244 5	-244 5	-1481E-06	-147 4	-490 0	DECK17	2536
2535	X-110 3	-211 5	-367 2	-244 5	-244 5	-244 5	DECK17	2537
	X-1386E-04	-147 5	-490 0	-110 3	-211 5	-367 2	DECK17	2538
	X-244 5	-244 5	-244 5	-127E-04	-96 66	-275 8	DECK17	2539
	X-71 58	-124 2	-206 6	-137 5	-137 5	-137 5	DECK17	2540
	X-2207E-04	-121 6	-166 2	-89 17	-159 2	-268 3	DECK17	2541
2540	X-121 4	-121 4	-121 4	-184E-04	-188 8	-188 8	DECK17	2542
	X-107 2	-198 0	-338 2	-207 8	-207 8	-207 8	DECK17	2543
	X-4088E-04	-47 18	-126 9	-35 30	-68 08	-94 28	DECK17	2544
	X-62 71	-62 71	-62 71	-5840E-04	-90 01	-254 8	DECK17	2545
	X-64 71	-102 7	-181 7	-108 8	-108 8	-108 8	DECK17	2546
2545	X-5810E-04	-143 7	-433 7	-98 53	-178 3	-301 6	DECK17	2547
	X-164 2	-164 2	-164 2	-3544E-04	-15 68	-39 87	DECK17	2548
	X-11 73	-18 48	-29 85	-19 84	-19 84	-19 84	DECK17	2549
	X-8871E-04	-60 01	-181 2	-40 78	-68 03	-131 1	DECK17	2550
2550	X-59 00	-59 00	-59 00	-102E-03	-134 2	-402 5	DECK17	2551
	X-86 03	-153 8	-258 4	-114 5	-114 5	-114 5	DECK17	2552
	DATA (XIN1) JKL=109						MOD1	2553
	X-1403E-04	-2 151	-5 273	-1 599	-2 492	-2 935	DECK17	2554
	X-2 618	-2 618	-2 618	-1074E-03	-34 95	-92 31	DECK17	2555
	X-21 74	-16 57	-57 54	-22 79	-22 79	-22 79	DECK17	2556
2555	X-1503E-03	-121 5	-359 7	-70 59	-125 2	-209 6	DECK17	2557
	X-52 18	-52 18	-52 18	-1218E-10	-1598E-02	-1064E-08	DECK17	2558
	X-4701E-09	-5039E-09	-1728E-09	-1809E-08	-1809E-08	-1810E-08	DECK17	2559
	X-1134E-03	-18 34	-2 23	-8 076	-11 04	-20 98	DECK17	2560
	X-2608	-2608	-2608	-1998E-03	-108 0	-311 3	DECK17	2561
2560	X-52 74	-93 11	-188 3	-8472	-8472	-8472	DECK17	2562
	X-1160E-07	-1324E-05	-3020E-05	-1324E-05	-1967E-05	-3021E-05	DECK17	2563
	X-3018E-05	-3020E-05	-3023E-05	-1451E-03	-10 15	-26 26	DECK17	2564
	X-1 540	-2 541	-4 162	-17 93	-17 93	-17 93	DECK17	2565
	X-2507E-03	-88 18	-257 2	-32 81	-57 80	-76 28	DECK17	2566
2565	X-65 24	-65 24	-65 24	-2419E-07	-2766E-05	-6304E-05	DECK17	2567
	X-2765E-05	-4108E-05	-6131E-05	-6302E-05	-6307E-05	-6311E-05	DECK17	2568
	X-1781E-03	-1 399	-8 915	-5 539	-8 809	-14 00	DECK17	2569
	X-36 91	-36 91	-36 91	-1033E-03	-68 72	-199 7	DECK17	2570
	X-11 03	-11 03	-11 03	-134 1	-134 1	-134 1	DECK17	2571
2570	DATA (XIN1) JKL=217						MOD1	2572
	X-3724E-07	-4318E-05	-9850E-05	-4316E-05	-6413E-05	-9852E-05	DECK17	2573
	X-9838E-05	-9838E-05	-9838E-05	-2125E-03	-2 874	-2 730	DECK17	2574
	X-11 13	-20 96	-33 43	-57 13	-57 13	-57 13	DECK17	2575
	X-3568E-03	-47 26	-137 0	-12 43	-21 36	-35 04	DECK17	2576
2575	X-207 0	-207 0	-207 0	-5221E-07	-5975E-05	-1363E-04	DECK17	2577
	X-5972E-05	-8874E-04	-1361E-04	-1361E-04	-1362E-04	-1363E-04	DECK17	2578
	X-2482E-03	-11 64	-29 61	-21 20	-33 88	-54 07	DECK17	2579
	X-73 53	-78 53	-78 53	-4113E-03	-24 16	-70 20	DECK17	2580
	X-37 45	-64 83	-106 8	-283 8	-283 8	-283 8	DECK17	2581
2580	X-6754E-07	-7231E-05	-1744E-04	-7227E-05	-1198E-04	-1444E-04	DECK17	2582
	X-1761E-04	-1763E-04	-1764E-04	-2852E-03	-19 87	-50 66	DECK17	2583
	X-29 73	-47 51	-75 84	-101 1	-101 1	-101 1	DECK17	2584
	X-4669E-03	-783	-6166	-63 92	-110 7	-182 5	DECK17	2585
	X-364 7	-364 7	-364 7	-8370E-07	-9682E-05	-2186E-04	DECK17	2586
2585	X-9574E-04	-142E-04	-2186E-04	-2186E-04	-2186E-04	-2186E-04	DECK17	2587
	X-3233E-03	-28 5	-72 83	-38 69	-61 85	-98 75	DECK17	2588
	X-124 7	-124 7	-124 7	-5235E-03	-26 54	-75 24	DECK17	2589
	X-91 76	-158 9	-261 8	-448 3	-448 3	-448 3	DECK17	2590
	DATA (XIN1) JKL=325						MOD1	2591
2590	X-1006E-04	-1152E-04	-2629E-04	-1152E-04	-1711E-04	-2629E-04	DECK17	2592
	X-2625E-04	-2627E-04	-2629E-04	-3627E-03	-37 46	-96 08	DECK17	2593
	X-48 07	-76 84	-122 7	-149 3	-149 3	-149 3	DECK17	2594
	X-5811E-03	-54 00	-153 5	-120 9	-209 2	-344 6	DECK17	2595
	X-535 6	-535 6	-535 6	-1184E-06	-1356E-04	-3091E-04	DECK17	2596
2595	X-1354E-04	-2012E-04	-3091E-04	-3087E-04	-3089E-04	-3091E-04	DECK17	2597
	X-4032E-03	-47 18	-120 4	-57 86	-92 48	-147 7	DECK17	2598
	X-174 9	-174 9	-174 9	-6398E-03	-82 74	-235 1	DECK17	2599
	X-151 3	-261 7	-430 8	-626 3	-626 3	-626 3	DECK17	2600
	X-1368E-06	-1566E-04	-3573E-04	-1566E-04	-2326E-04	-3573E-04	DECK17	2601
2600	X-1568E-04	-1570E-04	-1573E-04	-4448E-03	-57 09	-145 6	DECK17	2602
	X-68 03	-108 7	-173 5	-201 5	-201 5	-201 5	DECK17	2603
	X-6994E-03	-112 7	-320 4	-182 9	-316 1	-520 3	DECK17	2604
	X-720 1	-720 1	-720 1	-1559E-06	-1785E-04	-4073E-04	DECK17	2605
	X-1784E-04	-2651E-04	-4073E-04	-4073E-04	-4073E-04	-4073E-04	DECK17	2606
2605	X-4874E-03	-67 38	-171 9	-8 58	-125 6	-200 5	DECK17	2607
	X-229 1	-229 1	-229 1	-7599E-03	-143 9	-408 9	DECK17	2608
	X-215 6	-372 6	-613 0	-817 0	-817 0	-817 0	DECK17	2609

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DATA (X1261JKL1,JKL=1,108)/
2610 X-7846E-01,-392 3,-408 9,-400 1,-421 1,-459 6,MOD1,147
X-510 5,-510 5,-510 5,-813E-01,-392 3,-408 9,DECK17,2611
X-400 1,-400 1,-400 1,-510 5,-510 5,-510 5,DECK17,2612
X-8938E-01,-392 3,-408 9,-400 2,-421 2,-459 6,DECK17,2613
X-510 5,-510 5,-510 5,-4784E-03,-120 2,-155 0,DECK17,2614
X-126 6,-146 2,-178 2,-202 2,-202 2,-202 2,DECK17,2615
2615 X-7373E-03,-197 0,-234 2,-208 6,-213 2,-274 7,DECK17,2616
X-313 3,-313 3,-313 3,-1250E-02,-304 3,-342 3,DECK17,2618
X-315 7,-353 3,-401 3,-460 4,-460 4,-460 4,DECK17,2619
X-9049E-04,-32 4,-50 9,-34 9,-43 4,-58 4,DECK17,2620
X-66 00,-66 00,-66 00,-288E-03,-101 5,-137 8,DECK17,2621
2620 X-108 8,-131 3,-164 2,-190 6,-190 6,-190 6,DECK17,2622
X-6817E-03,-27 5 7,-288 8,-260 4,-303 4,-55 4,DECK17,2623
X-422 1,-422 1,-422 1,-1759E-04,-6 424,-11 74,DECK17,2624
X-6 952,-9 026,-13 05,-19 19,-19 19,-19 19,DECK17,2625
X-9172E-04,-52 68,-80 49,-67 99,-72 36,-90 81,DECK17,2626
2625 X-113 1,-113 1,-113 1,-398E-03,-202 6,-244 2,DECK17,2627
X-220 4,-264 4,-317 9,-391 7,-391 7,-391 7,DECK17,2628
DATA (X1261JKL1,JKL=109,318)/
MOD1,148
X-4118E-05,-4821,-9391,-5060,-6694,-9900,DECK17,2630
X-1 041,-1 041,-1 041,-2147E-04,-26 90,-46 12,DECK17,2631
2630 X-10 15,-39 18,-55 03,-67 94,-67 94,-67 94,DECK17,2632
X-2117E-03,-168 8,-208 1,-179 5,-232 8,-288 4,DECK17,2633
X-164 8,-366 8,-366 8,-9879E-14,-6978E-12,-1277E-11,DECK17,2634
X-6976E-12,-8812E-12,-1277E-11,-1275E-11,-1276E-11,-1277E-11,DECK17,2635
2635 X-1138E-05,-13 33,-24 90,-14 98,-19 99,-29 06,DECK17,2636
X-11 23,-13 23,-13 23,-2260E-04,-131 1,-172 7,DECK17,2637
X-164 8,-206 4,-259 3,-366 0,-366 0,-366 0,DECK17,2638
X-1036E-13,-7319E-12,-1339E-11,-7316E-12,-9242E-12,-1339E-11,DECK17,2639
2640 X-1337E-11,-1338E-11,-1339E-11,-2280E-06,-12 79,-24 59,DECK17,2640
X-14 57,-19 70,-29 01,-31 42,-31 42,-31 42,DECK17,2641
X-3871E-04,-117 8,-143 1,-143 8,-183 8,-235 6,DECK17,2642
X-328 3,-328 3,-328 3,-1082E-13,-7644E-12,-1399E-11,DECK17,2643
2640 X-7641E-12,-9663E-12,-1399E-11,-1397E-11,-1398E-11,-1399E-11,DECK17,2644
X-1648E-04,-12 35,-24 37,-14 25,-19 49,-29 01,DECK17,2645
2645 X-33 66,-33 66,-33 66,-1319E-03,-97 71,-116 4,DECK17,2646
X-126 2,-163 8,-214 7,-312 9,-312 9,-312 9,DECK17,2647
DATA (X1261JKL1,JKL=217,324)/
MOD1,149
X-1126E-13,-7958E-12,-154E-11,-7953E-12,-1005E-11,-1454E-11,DECK17,2649
2650 X-1454E-11,-1454E-11,-1454E-11,-7673E-04,-11 97,-24 20,DECK17,2650
X-13 99,-19 33,-29 07,-33 95,-33 95,-33 95,DECK17,2651
X-2125E-03,-80 01,-92 20,-110 8,-146 3,-195 8,DECK17,2652
2650 X-292 5,-292 5,-292 5,-1163E-13,-8256E-12,-1511E-11,DECK17,2653
X-8253E-12,-1043E-11,-1511E-11,-1501E-11,-1510E-11,-1511E-11,DECK17,2654
X-3225E-04,-11 45,-24 08,-13 78,-19 23,-29 18,DECK17,2655
2655 X-34 27,-34 27,-34 27,-2837E-03,-64 21,-69 94,DECK17,2656
X-97 18,-130 5,-178 8,-287 6,-287 6,-287 6,DECK17,2657
X-1210E-13,-2646E-12,-1564E-11,-854E-12,-1079E-11,-1564E-11,DECK17,2658
2660 X-1562E-11,-1563E-11,-1564E-11,-3916E-04,-11 38,-24 01,DECK17,2659
X-13 60,-19 16,-29 31,-34 61,-34 61,-34 61,DECK17,2660
X-3478E-03,-49 93,-49 98,-85 01,-116 3,-163 2,DECK17,2661
2660 X-277 0,-277 0,-277 0,-1250E-13,-8128E-12,-1616E-11,DECK17,2662
X-8823E-12,-1116E-11,-1616E-11,-1613E-11,-1614E-11,-1615E-11,DECK17,2663
X-4557E-04,-11 14,-23 94,-13 46,-19 12,-29 46,DECK17,2664
2665 X-34 94,-34 94,-34 94,-4063E-03,-36 90,-30 24,DECK17,2665
X-74 00,-103 3,-148 8,-267 4,-267 4,-267 4,DECK17,2666
DATA (X1261JKL1,JKL=325,432)/
MOD1,150
X-1288E-13,-9098E-12,-1665E-11,-9095E-12,-1149E-11,-1665E-11,DECK17,2668
2665 X-1663E-11,-1664E-11,-1665E-11,-5155E-04,-10 93,-23 95,DECK17,2669
X-13 35,-19 10,-29 64,-35 34,-35 34,-35 34,DECK17,2670
2670 X-4602E-03,-24 91,-32 31,-63 95,-63 95,-63 95,DECK17,2671
X-258 8,-258 8,-258 8,-1325E-13,-9361E-12,-1713E-11,DECK17,2672
X-9358E-12,-1182E-11,-1713E-11,-1711E-11,-1712E-11,-1713E-11,DECK17,2673
2670 X-6719E-04,-10 75,-23 95,-13 26,-19 10,-29 83,DECK17,2674
X-35 72,-35 72,-35 72,-5103E-03,-13 79,-4 545,DECK17,2675
2675 X-54 71,-80 19,-123 2,-250 9,-250 9,-250 9,DECK17,2676
X-162E-13,-9618E-12,-1760E-11,-9615E-12,-1215E-11,-1760E-11,DECK17,2677
X-1758E-11,-1759E-11,-1760E-11,-6251E-04,-10 58,-23 98,DECK17,2678
2680 X-13 19,-19 12,-30 04,-36 10,-36 10,-36 10,DECK17,2679
X-5573E-03,-3 419,-20 04,-46 15,-63 84,-111 6,DECK17,2680
X-243 7,-243 7,-243 7,-1397E-13,-9867E-12,-1806E-11,DECK17,2681
2680 X-9864E-12,-1246E-11,-1806E-11,-1803E-11,-1805E-11,-1806E-11,DECK17,2682
X-6757E-04,-10 44,-24 02,-13 13,-19 16,-30 24,DECK17,2683
X-36 50,-36 50,-36 50,-6015E-03,-6 306,-35 58,DECK17,2684
2685 X-38 18,-60 16,-100 7,-237 1,-237 1,-237 1,DECK17,2685
DATA (X1421JKL1,JKL=1,108)/
MOD1,151
X-1570E-06,-131 0,-409 5,-97 98,-179 6,-306 8,DECK17,2687
2685 X-204 1,-204 1,-204 1,-1481E-06,-13 0,-409 6,DECK17,2688

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	X-97 98	-179 6	-306 8	-204 2	-204 2	-204 2	DECK17	2689
	X-138E-06	-131 0	-409 8	-97 98	-179 6	-306 8	DECK17	2690
	X-204 2	-204 2	-204 2	-176E-04	-61 09	-167 9	DECK17	2691
2690	X-45 48	-73 11	-118 1	-78 67	-78 67	-78 67	DECK17	2692
	X-2070E-04	-92 93	-256 0	-68 13	-114 1	-188 0	DECK17	2693
	X-120 0	-120 0	-120 0	-194E-04	-132 2	-391 5	DECK17	2694
	X-95 20	-168 1	-282 5	-173 5	-173 5	-173 5	DECK17	2695
	X-228E-04	-18 72	-9 16	-15 00	-20 68	-12 11	DECK17	2696
2695	X-21 47	-21 47	-21 47	-48E-04	-67 47	-145 9	DECK17	2697
	X-40 92	-64 72	-104 0	-62 22	-62 22	-62 22	DECK17	2698
	X-5810E-04	-127 6	-367 0	-87 49	-161 4	-251 9	DECK17	2699
	X-112 1	-112 1	-112 1	-101E-04	-3 018	-6 836	DECK17	2700
	X-2 255	-3 155	-6 814	-3 195	-3 195	-3 195	DECK17	2701
2700	X-6195E-04	-30 88	-73 83	-20 97	-31 81	-60 22	DECK17	2702
	X-26 64	-26 64	-26 64	-1024E-03	-119 2	-336 3	DECK17	2703
	X-29 19	-130 5	-215 8	-95 54	-95 54	-95 54	DECK17	2704
	DATA (X142) (JKL) JKL=109	2161/					MOD1	162
	X-1135E-05	-1113	-2242	-8300E-01	-1115	-1675	DECK17	2706
2705	X-1108	-1108	-1108	-599E-04	-13 86	-31 63	DECK17	2707
	X-8 607	-12 63	-19 69	-7 769	-7 769	-7 769	DECK17	2708
	X-160E-03	-107 9	-100 5	-62 67	-104 3	-174 9	DECK17	2709
	X-49 51	-49 51	-49 51	-2909E-17	-1945E-16	-8690E-18	DECK17	2710
	X-5426E-16	-653E-16	-646E-16	-128E-15	-128E-15	-128E-15	DECK17	2711
2710	X-794E-03	-4 704	-10 34	-3 115	-3 115	-5 120	DECK17	2712
	X-974E-01	-974E-01	-974E-01	-199E-03	-94 17	-260 1	DECK17	2713
	X-46 82	-78 99	-129 7	-6428	-6428	-6428	DECK17	2714
	X-1040E-14	-732E-13	-1340E-12	-732E-13	-926E-13	-1340E-12	DECK17	2715
	X-133E-12	-1340E-12	-134E-12	-604E-04	-2 314	-8 314	DECK17	2716
2715	X-4268	-6225	-9857	-4 440	-4 440	-4 440	DECK17	2717
	X-2509E-03	-78 47	-215 4	-29 12	-49 01	-80 33	DECK17	2718
	X-54 62	-54 62	-54 62	-216E-14	-1529E-12	-2799E-12	DECK17	2719
	X-1527E-12	-193E-12	-272E-12	-272E-12	-272E-12	-2800E-12	DECK17	2720
	X-744E-04	-9627	-2 153	-1 619	-2 290	-3 479	DECK17	2721
2720	X-9 104	-9 104	-9 104	-303E-03	-61 01	-166 7	DECK17	2722
	X-9 776	-16 65	-27 23	-112 2	-112 2	-112 2	DECK17	2723
	DATA (X142) (JKL) JKL=217	3241/					MOD1	163
	X-338E-14	-238E-12	-436E-12	-238E-12	-301E-12	-437E-12	DECK17	2725
2725	X-436E-12	-436E-12	-437E-12	-884E-04	-1 139	-2 430	DECK17	2726
	X-3 812	-6 408	-8 252	-14 07	-14 07	-14 07	DECK17	2727
	X-164E-03	-41 95	-115 4	-11 07	-18 21	-29 41	DECK17	2728
	X-193E-12	-173 1	-73 1	-468E-14	-130E-12	-604E-12	DECK17	2729
	X-330E-12	-417E-12	-604E-12	-603E-12	-604E-12	-604E-12	DECK17	2730
	X-103E-03	-3 384	-7 314	-6 144	-8 721	-13 32	DECK17	2731
2730	X-12 33	-19 33	-19 33	-411E-03	-21 93	-58 52	DECK17	2732
	X-33 28	-55 12	-89 47	-237 3	-237 3	-237 3	DECK17	2733
	X-605E-14	-427E-12	-782E-12	-427E-12	-539E-12	-782E-12	DECK17	2734
	X-781E-12	-781E-12	-782E-12	-119E-03	-6 743	-12 49	DECK17	2735
	X-8 108	-12 22	-18 88	-25 87	-25 87	-25 87	DECK17	2736
2735	X-464E-03	-464E-03	-467E-03	-66 78	-94 08	-152 6	DECK17	2737
	X-304 5	-304 5	-304 5	-750E-14	-529E-12	-969E-12	DECK17	2738
	X-529E-12	-6490E-12	-969E-12	-968E-12	-968E-12	-968E-12	DECK17	2739
	X-115E-03	-8 221	-17 94	-11 20	-15 20	-24 30	DECK17	2740
	X-30 67	-30 67	-30 67	-523E-03	-23 63	-63 02	DECK17	2741
2740	X-81 51	-135 0	-218 9	-374 7	-374 7	-374 7	DECK17	2742
	DATA (X142) (JKL) JKL=325	4321/					MOD1	154
	X-302E-14	-437E-12	-118E-11	-576E-12	-805E-12	-1166E-11	DECK17	2744
	X-116E-11	-116E-11	-116E-11	-151E-03	-10 30	-23 68	DECK17	2745
	X-13 91	-19 74	-30 19	-36 72	-36 72	-36 72	DECK17	2746
2745	X-581E-03	-47 99	-128 4	-107 4	-177 7	-288 1	DECK17	2747
	X-487 7	-487 7	-487 7	-106E-13	-792E-12	-137E-11	DECK17	2748
	X-749E-12	-946E-12	-137E-11	-136E-11	-137E-11	-137E-11	DECK17	2749
	X-168E-03	-13 65	-29 62	-16 74	-23 74	-36 32	DECK17	2750
2750	X-43 02	-43 02	-43 02	-639E-03	-73 52	-194 8	DECK17	2751
	X-134 4	-222 3	-360 1	-523 4	-523 4	-523 4	DECK17	2752
	X-122E-13	-845E-12	-188E-11	-867E-12	-109E-11	-158E-11	DECK17	2753
	X-158E-11	-158E-11	-158E-11	-185E-03	-16 62	-35 83	DECK17	2754
	X-19 68	-27 93	-42 70	-9 56	-49 56	-49 56	DECK17	2755
	X-599E-03	-100 2	-267 9	-162 4	-268 5	-434 9	DECK17	2756
2755	X-601 8	-601 8	-601 8	-139E-13	-987E-12	-180E-11	DECK17	2757
	X-986E-12	-124E-11	-180E-11	-180E-11	-180E-11	-180E-11	DECK17	2758
	X-203E-03	-19 49	-42 28	-22 72	-32 25	-49 30	DECK17	2759
	X-54 33	-54 33	-54 33	-759E-03	-127 9	-241 8	DECK17	2760
	R 191 5	-316 4	-512 3	-682 8	-682 8	-682 8	DECK17	2761
2760	DATA (X12) (JKL) JKL=1	1081/					MOD1	155
	X-784E-01	-348 5	-341 7	-355 4	-357 6	-384 0	DECK17	2763
	X-426 5	-426 5	-426 5	-833E-01	-348 5	-341 7	DECK17	2764
	X-355 8	-357 6	-384 0	-426 5	-426 5	-426 5	DECK17	2765
	X-893E-01	-348 5	-341 7	-355 4	-357 6	-384 0	DECK17	2766
2765	X-426 5	-426 5	-426 5	-396E-03	-76 99	-88 74	DECK17	2767


```
X-80 80 -86 12 -102 2 -115 7 -115 7 -115 7 DECK17 2768
X-7477E-03 -150 6 -165 6 -157 1 -167 2 -152 5 DECK17 2769
X-219 5 -219 5 -219 5 -1250E-02 -270 3 -286 0 DECK17 2770
X-280 4 -300 0 -326 3 -388 2 -388 2 DECK17 2771
X-5049E-04 -12 86 -17 45 -11 87 -15 47 -10 04 DECK17 2772
X-22 63 -22 63 -22 63 -2393E-03 -64 77 -78 83 DECK17 2773
X-69 47 -76 71 -93 95 -109 1 -109 1 -109 1 DECK17 2774
X-6817E-03 -218 2 -281 3 -211 3 -267 4 -298 3 DECK17 2775
X-352 6 -352 6 -352 6 -5039E-05 -1 237 -1 899 DECK17 2776
X-1 339 -1 536 -2 108 -2 317 -2 317 -2 317 DECK17 2777
X-6544E-04 -27 00 -36 40 -29 73 -33 85 -43 79 DECK17 2778
X-51 19 -51 19 -51 19 -3983E-03 -178 9 -208 0 DECK17 2779
X-195 7 -224 5 -245 5 -327 2 -327 2 -327 2 DECK17 2780
DATA (X127) JKL=109,2161/
MOD1 156
X-3331E-06 -2515E-01 -4005E-01 -2440E-01 -3013E-01 -4222E-01 DECK17 2782
X-4440E-01 -4440E-01 -4440E-01 -1198E-04 -10 62 -15 80 DECK17 2783
X-11 95 -11 95 -11 95 -21 92 -21 92 -21 92 DECK17 2784
X-2117E-03 -149 9 -172 0 -168 3 -197 6 -239 2 DECK17 2785
X-306 4 -306 4 -306 4 -8860E-21 -3873E-19 -5704E-19 DECK17 2786
X-3872E-19 -4167E-19 -5704E-19 -5635E-19 -5704E-19 -5704E-19 DECK17 2787
X-1312E-05 -3 842 -6 104 -4 321 -5 114 -7 127 DECK17 2788
X-8 151 -8 151 -8 151 -7260E-04 -125 3 -144 2 DECK17 2789
X-146 2 -175 1 -216 6 -289 0 -289 0 -289 0 DECK17 2790
X-2223E-21 -5081E-19 -5782E-19 -1081E-19 -5170E-19 -5382E-19 DECK17 2791
X-6973E-19 -5378E-19 -5782E-19 -3043E-05 -3 486 -6 028 DECK17 2792
X-4 202 -5 040 -7 112 -8 197 -8 197 -8 197 DECK17 2793
X-3871E-04 -104 6 -119 4 -127 7 -155 8 -196 8 DECK17 2794
X-274 2 -274 2 -274 2 -3205E-21 -3205E-19 -3205E-19 DECK17 2795
X-6242E-19 -6564E-19 -6248E-19 -6248E-19 -6248E-19 -6248E-19 DECK17 2796
X-6888E-05 -3 557 -5 971 -4 107 -4 985 -7 114 DECK17 2797
X-8 256 -8 256 -8 256 -1319E-03 -86 74 -97 13 DECK17 2798
X-112 0 -139 0 -172 2 -261 4 -261 4 -261 4 DECK17 2799
DATA (X127) JKL=217,3261/
MOD1 157
X-1010E-20 -4415E-19 -6503E-19 -4415E-19 -4750E-19 -6503E-19 DECK17 2801
X-6493E-19 -6498E-19 -6503E-19 -1034E-04 -3 449 -5 930 DECK17 2802
X-4 031 -4 945 -7 128 -8 328 -8 328 -8 328 DECK17 2803
X-2125E-03 -71 01 -76 87 -98 36 -124 1 -163 5 DECK17 2804
X-250 1 -250 1 -250 1 -1048E-20 -4582E-19 -6748E-19 DECK17 2805
X-4581E-19 -4930E-19 -6749E-19 -6738E-19 -6744E-19 -6749E-19 DECK17 2806
X-1348E-04 -3 356 -5 901 -3 970 -4 918 -7 152 DECK17 2807
X-8 404 -8 404 -8 404 -2837E-03 -56 97 -58 47 DECK17 2808
X-86 27 -110 7 -149 2 -240 2 -240 2 -240 2 DECK17 2809
X-1085E-20 -4742E-19 -6985E-19 -4742E-19 -5103E-19 -6985E-19 DECK17 2810
X-6275E-19 -6280E-19 -6280E-19 -1637E-04 -3 276 -5 882 DECK17 2811
X-3 920 -4 899 -7 114 -8 487 -8 487 -8 487 DECK17 2812
X-3478E-03 -44 29 -41 08 -75 46 -98 63 -136 2 DECK17 2813
X-231 3 -231 3 -231 3 -1171E-20 -4898E-19 -7214E-19 DECK17 2814
X-4898E-19 -5270E-19 -7214E-19 -7214E-19 -7205E-19 -7215E-19 DECK17 2815
X-1905E-04 -3 207 -5 870 -3 979 -4 888 -7 222 DECK17 2816
X-8 574 -8 574 -8 574 -4763E-03 -32 71 -25 07 DECK17 2817
X-65 68 -67 57 -124 2 -223 3 -223 3 -223 3 DECK17 2818
DATA (X127) JKL=125,4321/
MOD1 158
X-1155E-20 -5048E-19 -7436E-19 -5048E-19 -5432E-19 -7436E-19 DECK17 2820
X-7425E-19 -7431E-19 -7437E-19 -2155E-04 -3 147 -5 866 DECK17 2821
X-3 846 -4 883 -7 265 -8 664 -8 664 -8 664 DECK17 2822
X-4603E-03 -22 06 -10 09 -58 75 -77 39 -113 1 DECK17 2823
X-216 1 -216 1 -216 1 -1189E-20 -5195E-19 -7652E-19 DECK17 2824
X-5195E-19 -5590E-19 -7652E-19 -7440E-19 -7646E-19 -7652E-19 DECK17 2825
X-2391E-04 -3 093 -5 867 -3 820 -4 884 -7 312 DECK17 2826
X-8 758 -8 758 -8 758 -5103E-03 -12 18 -4 002 DECK17 2827
X-48 54 -67 96 -102 8 -209 5 -209 5 -209 5 DECK17 2828
X-1221E-20 -5337E-19 -7861E-19 -5337E-19 -5743E-19 -7862E-19 DECK17 2829
X-7850E-19 -7856E-19 -7862E-19 -2613E-04 -3 046 -5 872 DECK17 2830
X-3 798 -4 888 -7 362 -8 852 -8 852 -8 852 DECK17 2831
X-5577E-03 -2 368 -17 32 -40 94 -59 18 -97 08 DECK17 2832
X-203 5 -203 5 -203 5 -1253E-20 -5476E-19 -8065E-19 DECK17 2833
X-5476E-19 -5892E-19 -8066E-19 -8054E-19 -8060E-19 -8066E-19 DECK17 2834
X-2824E-04 -3 004 -5 881 -3 781 -4 892 -7 415 DECK17 2835
X-8 949 -8 949 -8 949 -6015E-03 -5 672 -29 94 DECK17 2836
X-33 85 -50 95 -83 99 -197 9 -197 9 -197 9 DECK17 2837
DATA (X143) JKL=1 1081/
MOD1 159
X-1570E-06 -116 4 -342 3 -87 01 -152 4 -256 3 DECK17 2839
X-170 5 -170 5 -170 5 -1481E-06 -116 4 -142 3 DECK17 2840
X-87 01 -152 4 -256 3 -170 5 -170 5 -170 5 DECK17 2841
X-1386E-06 -116 4 -342 3 -87 01 -152 5 -256 3 DECK17 2842
X-170 5 -170 5 -170 5 -1462E-04 -39 01 -90 45 DECK17 2843
X-29 15 -43 04 -67 68 -45 01 -45 01 -45 01 DECK17 2844
X-1941E-04 -71 04 -179 5 -52 06 -81 77 -131 7 DECK17 2845
X-84 08 -84 08 -84 08 -1944E-04 -117 4 -327 4 DECK17 2846
```

```
2845 X-84 54 -142 7 -236 0 -144 9 -144 9 -144 9 /DECK17 2847
X-1273E-04 -7 426 -7 426 -5 548 -7 359 -11 07 /DECK17 2848
X-7 350 -7 350 -7 350 -4028E-04 -26 69 -83 51 /DECK17 2849
X-26 11 -26 08 -26 08 -26 08 -26 08 -26 08 /DECK17 2850
2850 X-5810E-04 -113 3 -104 6 -77 69 -128 5 -210 4 /DECK17 2851
X-114 5 -114 5 -114 5 -2908E-05 -5806 -1 038 /DECK17 2852
X-4333 -5322 -7756 -5138 -5138 -5138 /DECK17 2853
X-4324E-04 -16 88 -11 40 -10 78 -18 87 -22 20 /DECK17 2854
X-12 03 -12 03 -12 03 -1026E-03 -105 9 -281 0 /DECK17 2855
X-67 83 -110 8 -180 3 -79 77 -79 77 /DECK17 2856
2855 DATA (XIN3) JKL=1, JKL=109, 2161 /
X-9180E-07 -5227E-02 -951E-02 -4288E-02 -4827E-02 -7091E-02 /DECK17 2857
X-4670E-02 -4670E-02 -4670E-02 -3344E-04 -5 492 -10 83 /DECK17 2858
X-3 404 -4 490 -6 735 -2 643 -2 643 -2 643 /DECK17 2859
X-1502E-03 -95 78 -251 0 -55 65 -90 19 -146 1 /DECK17 2860
2860 X-41 30 -41 30 -41 30 -2615E-23 -1261E-23 -1460E-23 /DECK17 2861
X-5195E-23 -6162E-23 -4307E-23 -9151E-23 -9151E-23 -9151E-23 /DECK17 2862
X-1982E-04 -1 352 -2 530 -8635 -8410 -1 247 /DECK17 2863
X-3482E-01 -3482E-01 -3482E-01 -1998E-03 -83 62 -217 2 /DECK17 2864
X-41 57 -47 02 -108 1 -8127 -8148E-20 -8190E-20 /DECK17 2865
2865 X-9125E-22 -4066E-20 -5988E-20 -4066E-20 -4378E-20 -5990E-20 /DECK17 2866
X-5984E-20 -5989E-20 -5993E-20 -2636E-04 -8350 -1 545 /DECK17 2867
X-1165 -1496 -2308 -1 102 -1 102 -1 102 /DECK17 2868
X-2503E-03 -62 88 -179 9 -25 84 -41 58 -67 03 /DECK17 2869
X-6 72 -6 72 -6 72 -8490E-21 -8490E-20 -1250E-19 /DECK17 2870
2870 X-8492E-20 -9138E-20 -1251E-19 -1249E-19 -1250E-19 -1251E-19 /DECK17 2871
X-3112E-04 -2710 -5166 -4748 -5978 -8664 /DECK17 2872
X-2 249 -2 249 -2 249 -1033E-03 -54 16 -112 2 /DECK17 2873
X-8 644 -13 99 -22 64 -93 82 -93 82 -93 82 /DECK17 2874
2875 DATA (XIN3) JKL=1, JKL=217, 3241 /
X-1035E-21 -1325E-19 -1952E-19 -1326E-19 -1426E-19 -1952E-19 /DECK17 2875
X-1950E-19 -1951E-19 -1951E-19 -1711E-03 -3388 -4032 /DECK17 2876
X-1 109 -1 198 -2 040 -3 470 -3 470 -3 470 /DECK17 2877
X-3548E-03 -37 23 -95 47 -9 843 -15 63 -24 67 /DECK17 2878
2880 X-144 7 -144 7 -144 7 -4199E-21 -1834E-19 -2701E-19 /DECK17 2879
X-1834E-19 -1973E-19 -2201E-19 -2677E-19 -2677E-19 -2701E-19 /DECK17 2880
X-4337E-04 -9652 -1 810 -1 784 -2 248 -3 287 /DECK17 2881
X-4 763 -4 763 -4 763 -4113E-03 -19 00 -48 79 /DECK17 2882
X-29 58 -46 88 -74 81 -198 4 -198 4 -198 4 /DECK17 2883
2885 X-5432E-21 -273E-19 -3494E-19 -273E-19 -2553E-19 -3495E-19 /DECK17 2884
X-3489E-19 -3492E-19 -3495E-19 -4983E-04 -6 73 -1 082 /DECK17 2885
X-2 495 -3 146 -4 603 -6 124 -6 124 -6 124 /DECK17 2886
X-4649E-03 -4340 -4604 -50 46 -79 96 -127 4 /DECK17 2887
X-254 5 -254 5 -254 5 -8231E-21 -2940E-19 -4330E-19 /DECK17 2888
2890 X-2940E-19 -3164E-19 -4331E-19 -4324E-19 -4328E-19 -4331E-19 /DECK17 2889
X-5450E-04 -2 398 -4 421 -3 243 -4 090 -5 985 /DECK17 2890
X-7 549 -7 549 -7 549 -6235E-03 -21 01 -52 77 /DECK17 2891
X-7 42 -114 7 -183 0 -313 2 -313 2 -313 2 /DECK17 2892
2895 DATA (XIN3) JKL=1, JKL=325, 4317 /
X-8094E-21 -3536E-19 -5208E-19 -3536E-19 -3805E-19 -5208E-19 /DECK17 2893
X-5200E-19 -5204E-19 -5208E-19 -4337E-04 -3 158 -5 825 /DECK17 2894
X-4 024 -5 077 -7 431 -9 037 -9 037 -9 037 /DECK17 2895
X-4211E-03 -42 66 -107 4 -95 61 -161 0 -240 8 /DECK17 2896
X-374 2 -374 2 -374 2 -9518E-21 -4158E-19 -6124E-19 /DECK17 2897
X-4158E-19 -4474E-19 -6124E-19 -6115E-19 -6120E-19 -6125E-19 /DECK17 2898
2900 X-7045E-04 -1 952 -7 292 -4 843 -8 104 -8 972 /DECK17 2899
X-10 59 -10 59 -10 59 -4398E-03 -86 34 -164 5 /DECK17 2900
X-119 4 -188 8 -301 0 -437 5 -437 5 -437 5 /DECK17 2901
X-1100E-20 -4806E-19 -7078E-19 -4806E-19 -5171E-19 -7079E-19 /DECK17 2902
X-7078E-19 -7073E-19 -7079E-19 -7771E-04 -4 780 -8 819 /DECK17 2903
2905 X-5 693 -7 176 -10 51 -12 19 -12 19 -12 19 /DECK17 2904
X-6994E-03 -88 99 -224 0 -144 3 -228 1 -363 5 /DECK17 2905
X-503 0 -503 0 -503 0 -1254E-20 -5479E-19 -8069E-19 /DECK17 2906
X-5479E-19 -5895E-19 -8069E-19 -8057E-19 -8063E-19 -8070E-19 /DECK17 2907
X-8517E-04 -5 649 -10 40 -6 573 -8 285 -12 13 /DECK17 2908
2910 X-13 86 -13 86 -13 86 -7599E-03 -113 6 -285 8 /DECK17 2909
X-170 1 -248 8 -428 2 -570 7 -570 7 -570 7 /DECK17 2910
2915 DATA (XIN3) JKL=1, JKL=1, 1087 /
X-7848E-01 -309 6 -285 5 -315 7 -303 6 -320 8 /DECK17 2911
X-356 3 -356 3 -356 3 -8339E-01 -309 6 -285 5 /DECK17 2912
X-315 7 -303 7 -320 8 -356 4 -356 4 -356 4 /DECK17 2913
X-8938E-01 -309 6 -285 5 -315 7 -303 7 -320 8 /DECK17 2914
X-356 4 -356 4 -356 4 -3288E-03 -49 16 -50 79 /DECK17 2915
X-51 58 -50 71 -58 49 -66 25 -66 25 -66 25 /DECK17 2916
X-7011E-01 -115 1 -116 0 -120 1 -119 8 -134 8 /DECK17 2917
2920 X-153 8 -153 8 -153 8 -1250E-02 -240 1 -239 0 /DECK17 2918
X-249 1 -249 1 -249 1 -321 4 -321 4 -321 4 /DECK17 2919
X-2817E-04 -5 101 -5 975 -5 503 -5 508 -6 863 /DECK17 2920
X-7 754 -7 754 -7 754 -1984E-03 -41 35 -45 10 /DECK17 2921
```

```

      2925  X=44.34 -45.16 -63.76 -62.45 -62.45 -62.45 DECK17 2926
      X=4817E-03 -193.8 -201.5 -205.4 -218.7 -248.0 DECK17 2927
      X=294.6 -294.6 -294.6 -294.6 -294.6 -294.6 DECK17 2928
      X=2679 -2679 -2679 -2679 -2679 -2679 DECK17 2929
      X=4570E-04 -13.89 -16.45 -15.30 -15.83 -19.80 DECK17 2930
      X=23.15 -23.15 -23.15 -23.15 -23.15 -23.15 DECK17 2931
      X=173.8 -190.5 -221.8 -273.4 -273.4 -273.4 DECK17 2932
      DATA (X128,JAL),JAL=109,2141/
      X=2695E-07 -1311E-02 -1706E-02 -1374E-02 -1355E-02 -1799E-02 DECK17 2933
      X=1892E-02 -1892E-02 -1892E-02 -1892E-02 -1892E-02 -1892E-02 DECK17 2934
      X=4.742 -4.964 -6.457 -7.509 -7.509 -7.509 DECK17 2935
      X=2117E-01 -131.1 -131.7 -131.7 -131.7 -131.7 DECK17 2936
      X=256.0 -256.0 -256.0 -256.0 -256.0 -256.0 DECK17 2937
      X=2156E-26 -1977E-26 -2556E-26 -2556E-26 -2556E-26 -2556E-26 DECK17 2938
      X=5483E-06 -1.107 -1.495 -1.245 -1.307 -1.746 DECK17 2939
      X=1.398 -1.398 -1.398 -1.398 -1.398 -1.398 DECK17 2940
      X=129.8 -148.6 -180.8 -241.4 -241.4 -241.4 DECK17 2941
      X=833E-28 -2260E-26 -2680E-26 -2261E-26 -2074E-26 -2680E-26 DECK17 2942
      X=2676E-26 -2676E-26 -2681E-26 -2272E-05 -1.042 -1.474 DECK17 2943
      X=1.211 -1.211 -1.211 -1.211 -1.211 -1.211 DECK17 2944
      X=1871E-04 -92.88 -99.64 -111.4 -122.2 -164.3 DECK17 2945
      X=229.0 -229.0 -229.0 -229.0 -229.0 -229.0 DECK17 2946
      X=2361E-26 -2166E-26 -2800E-26 -2795E-26 -2798E-26 -2800E-26 DECK17 2947
      X=2879E-05 -1.024 -1.182 -1.182 -1.274 -1.746 DECK17 2948
      X=2.023 -2.023 -2.023 -2.023 -2.023 -2.023 DECK17 2949
      X=99.47 -117.9 -149.6 -218.3 -218.3 -218.3 DECK17 2950
      DATA (X128,JAL),JAL=217,3241/
      X=2058E-28 -2457E-26 -2457E-26 -2457E-26 -2457E-26 -2457E-26 DECK17 2951
      X=2409E-26 -2412E-26 -2414E-26 -2414E-26 -2414E-26 -2414E-26 DECK17 2952
      X=1.161 -1.263 -1.746 -2.040 -2.040 -2.040 DECK17 2953
      X=2125E-03 -63.02 -64.08 -87.32 -105.3 -136.5 DECK17 2954
      X=208.9 -208.9 -208.9 -208.9 -208.9 -208.9 DECK17 2955
      X=2550E-26 -2319E-26 -3074E-26 -3019E-26 -3022E-26 -3022E-26 DECK17 2956
      X=5635E-05 -9459 -1.444 -1.444 -1.256 -1.751 DECK17 2957
      X=2.059 -2.059 -2.059 -2.059 -2.059 -2.059 DECK17 2958
      X=76.59 -93.93 -124.6 -200.6 -200.6 -200.6 DECK17 2959
      X=9730E-28 -2639E-26 -3130E-26 -2640E-26 -2621E-26 -3130E-26 DECK17 2960
      X=3125E-26 -3128E-26 -3130E-26 -3128E-05 -9427 -1.439 DECK17 2961
      X=1.129 -1.251 -1.759 -2.079 -2.079 -2.079 DECK17 2962
      X=1478E-03 -39.28 -74.17 -66.98 -83.65 -113.7 DECK17 2963
      X=193.2 -193.2 -193.2 -193.2 -193.2 -193.2 DECK17 2964
      X=2726E-26 -2501E-26 -3233E-26 -3228E-26 -3233E-26 -3233E-26 DECK17 2965
      X=7962E-05 -9224 -1.436 -1.117 -1.248 -1.748 DECK17 2966
      X=2.101 -2.101 -2.101 -2.101 -2.101 -2.101 DECK17 2967
      X=58.29 -74.26 -103.6 -186.5 -186.5 -186.5 DECK17 2968
      DATA (X128,JAL),JAL=325,4321/
      X=1036E-27 -2809E-26 -3332E-26 -2810E-26 -2578E-26 -3332E-26 DECK17 2969
      X=3277E-26 -3330E-26 -3332E-26 -3332E-05 -9049 -1.436 DECK17 2970
      X=1.107 -1.247 -1.799 -2.123 -2.123 -2.123 DECK17 2971
      X=4602E-03 -19.53 -8.263 -50.34 -65.61 -94.35 DECK17 2972
      X=180.5 -180.5 -180.5 -180.5 -180.5 -180.5 DECK17 2973
      X=2872E-26 -2652E-26 -3429E-26 -3423E-26 -3426E-26 -3429E-26 DECK17 2974
      X=6993E-05 -8894 -1.436 -1.089 -1.267 -1.750 DECK17 2975
      X=2.145 -2.145 -2.145 -2.145 -2.145 -2.145 DECK17 2976
      X=43.06 -57.60 -85.71 -174.9 -174.9 -174.9 DECK17 2977
      X=1078E-27 -2970E-26 -3522E-26 -2971E-26 -2725E-26 -3522E-26 DECK17 2978
      X=2617E-26 -3520E-26 -3521E-26 -3521E-04 -8756 -1.436 DECK17 2979
      X=1.093 -1.248 -1.802 -2.168 -2.168 -2.168 DECK17 2980
      X=5573E-03 -2.569 -14.65 -36.30 -50.13 -77.62 DECK17 2981
      X=167.9 -167.9 -167.9 -167.9 -167.9 -167.9 DECK17 2982
      X=3048E-26 -2796E-26 -3614E-26 -3609E-26 -3611E-26 -3614E-26 DECK17 2983
      X=1181E-04 -8634 -1.438 -1.088 -1.250 -1.815 DECK17 2984
      X=2.192 -2.192 -2.192 -2.192 -2.192 -2.192 DECK17 2985
      X=30.01 -43.14 -70.02 -165.2 -165.2 -165.2 DECK17 2986
      DATA (X128,JAL),JAL=4321/
      X=1570E-06 -103.4 -103.4 -77.26 -129.4 -214.1 DECK17 2987
      X=142.4 -142.4 -142.4 -142.4 -142.4 -142.4 DECK17 2988
      X=77.27 -129.4 -214.1 -142.5 -142.5 -142.5 DECK17 2989
      X=1386E-06 -103.4 -103.4 -77.27 -129.4 -214.1 DECK17 2990
      X=142.5 -142.5 -142.5 -142.5 -142.5 -142.5 DECK17 2991
      X=18.60 -25.34 -38.73 -25.74 -25.74 -25.74 DECK17 2992
      X=1620E-04 -54.31 -125.8 -39.77 -58.59 -92.26 DECK17 2993
      X=58.89 -58.89 -58.89 -58.89 -58.89 -58.89 DECK17 2994
      X=75.07 -121.1 -197.2 -121.1 -121.1 -121.1 DECK17 2995
      X=7104E-05 -2.945 -5.068 -2.198 -2.617 -3.789 DECK17 2996
      X=2.513 -2.513 -2.513 -2.513 -2.513 -2.513 DECK17 2997
      X=16.65 -22.42 -34.05 -20.34 -20.34 -20.34 DECK17 2998
      X=6810E-04 -100.2 -256.2 -68.99 -109.1 -175.8 DECK17 2999
      X=95.60 95.60 95.60 9331E-06 1116 -1671 DECK17 3000
```



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1005 X 8313E-01 - 8956E-01 - 1247 - 8217E-01 - 8217E-01 - 8217E-01 DECK17 1005
X 1021E-04 - 8 163 - 15 10 - 5 518 - 6 946 - 10 26 DECK17 1006
X -5 424 - 5 424 - 5 424 - 1026E-03 - 94 01 - 234 7 DECK17 1007
X -60 27 - 94 01 - 150 0 - 66 60 - 66 60 - 66 60 DECK17 1008
DATA I(KIN)=J(L) J(L)=109 2167/ MOD1 168
X 7426E-08 - 2991E-03 - 4020E-03 - 2218E-03 - 2203E-03 - 2985E-03 DECK17 1010
X 1951E-03 - 1951E-03 - 1951E-03 - 1866E-04 - 2 175 - 3 707 DECK17 1011
X -1 346 - 1 682 - 2 301 - 2860 - 2860 - 2860 DECK17 1012
X 1502E-03 - 85 06 - 209 7 - 9 41 - 76 64 - 122 0 DECK17 1013
X 14 46 - 34 46 - 34 46 - 234E-31 - 3656E-30 - 4185E-30 DECK17 1014
X 4630E-30 - 5315E-30 - 5461E-30 - 6736E-30 - 6736E-30 - 6737E-30 DECK17 1015
X 3285E-03 - 1883 - 1176 - 1830 - 2123 - 1028 DECK17 1016
1015 X 1242E-01 - 1242E-01 - 1242E-01 - 1998E-03 - 74 28 - 181 6 DECK17 1017
X 36 90 - 56 87 - 90 19 - 6761 - 6761 - 6761 DECK17 1018
X 8363E-29 - 2265E-27 - 2686E-27 - 2267E-27 - 2080E-27 - 2687E-27 DECK17 1019
X 2686E-27 - 2686E-27 - 2686E-27 - 1060E-04 - 2387 - 2803 DECK17 1020
X 3116E-01 - 3116E-01 - 3116E-01 - 2949 - 2949 - 2949 DECK17 1021
1020 X 2609E-03 - 61 87 - 160 2 - 22 94 - 35 24 - 56 94 DECK17 1022
X 38 27 - 38 27 - 38 27 - 1744E-28 - 4727E-27 - 6404E-27 DECK17 1023
X 7730E-27 - 9390E-27 - 6807E-27 - 6800E-27 - 6801E-27 - 6802E-27 DECK17 1024
X 1301E-04 - 7666E-01 - 1226 - 1398 - 1671 - 2172 DECK17 1025
X 5569 - 5569 - 5569 - 3033E-03 - 48 08 - 114 3 DECK17 1026
1025 X -7 675 - 11 83 - 18 86 - 78 47 - 78 47 - 78 47 DECK17 1027
DATA I(KIN)=J(L) J(L)=217 1331/ MOD1 168
X 2722E-28 - 7778E-27 - 8780E-27 - 7781E-27 - 6772E-27 - 8781E-27 DECK17 1029
X 8739E-27 - 8746E-27 - 8753E-27 - 1562E-04 - 9998E-01 - 1643 DECK17 1030
X 3230 - 3626 - 5058 - 8572 - 8572 - 8572 DECK17 1031
1030 X 3568E-03 - 11 05 - 72 62 - 8 768 - 11 24 - 20 62 DECK17 1032
X 121 0 - 121 0 - 121 0 - 3768E-28 - 1021E-26 - 1211E-26 DECK17 1033
X 1021E-26 - 9368E-27 - 1211E-26 - 1209E-26 - 1210E-26 - 1211E-26 DECK17 1034
X 1813E-04 - 2875 - 4495 - 5178 - 6808 - 8123 DECK17 1035
1035 X 1 175 - 1 175 - 1 175 - 9133E-03 - 15 85 - 40 62 DECK17 1036
X 26 30 - 19 87 - 12 60 - 166 8 - 166 8 - 166 8 DECK17 1037
X 4871E-28 - 1321E-26 - 1566E-26 - 1321E-26 - 1212E-26 - 1566E-26 DECK17 1038
X 1564E-26 - 1565E-26 - 1566E-26 - 2081E-04 - 4862 - 7621 DECK17 1039
X 7238 - 8113 - 1 118 - 1 607 - 1 607 - 1 607 DECK17 1040
1040 X 4669E-03 - 1 143 - 6426 - 4 84 - 67 96 - 106 7 DECK17 1041
X 212 8 - 212 8 - 212 8 - 6037E-28 - 1637E-26 - 1941E-26 DECK17 1042
X 1637E-26 - 1602E-26 - 1941E-26 - 1938E-26 - 1940E-26 - 1941E-26 DECK17 1043
1045 X 1 860 - 1 860 - 1 860 - 6233E-03 - 18 69 - 44 19 DECK17 1044
X 64 35 - 97 46 - 153 0 - 261 8 - 261 8 - 261 8 DECK17 1045
DATA I(KIN)=J(L) J(L)=325 4321/ MOD1 170
X 7257E-28 - 1268E-26 - 2334E-26 - 1269E-26 - 1806E-26 - 2334E-26 DECK17 1048
X 2331E-26 - 2331E-26 - 2331E-26 - 2649E-04 - 9156 - 1 636 DECK17 1049
1050 X 1 146 - 1 107 - 1 831 - 2 226 - 2 226 - 2 226 DECK17 1050
X 5811E-03 - 17 92 - 89 87 - 84 78 - 128 3 - 201 3 DECK17 1051
X 312 8 - 312 8 - 312 8 - 8535E-28 - 2315E-26 - 2748E-26 DECK17 1052
1055 X 2315E-26 - 2124E-26 - 2748E-26 - 2741E-26 - 2741E-26 - 2748E-26 DECK17 1053
X 2945E-04 - 1 145 - 1 797 - 1 402 - 1 671 - 2 202 DECK17 1054
X 2 607 - 2 607 - 2 607 - 6398E-03 - 68 07 - 137 6 DECK17 1055
1055 X 106 1 - 160 4 - 251 7 - 165 7 - 165 7 - 165 7 DECK17 1056
X 9868E-28 - 2676E-26 - 3172E-26 - 2676E-26 - 2456E-26 - 3172E-26 DECK17 1057
X 3168E-26 - 3170E-26 - 3173E-26 - 3249E-04 - 1 384 - 2 172 DECK17 1058
1060 X 1 648 - 1 846 - 2 587 - 3 002 - 3 002 - 3 002 DECK17 1059
X 8974E-03 - 79 02 - 187 3 - 128 2 - 193 8 - 303 9 DECK17 1060
X 420 5 - 420 5 - 420 5 - 3125E-27 - 1049E-26 - 1616E-26 DECK17 1061
1065 X 3050E-26 - 2798E-26 - 3616E-26 - 3611E-26 - 3614E-26 - 3617E-26 DECK17 1062
X 3560E-04 - 1 633 - 2 562 - 1 902 - 2 130 - 2 986 DECK17 1063
X 1 410 - 1 410 - 1 410 - 7599E-03 - 100 9 - 238 9 DECK17 1064
1065 X 151 2 - 228 3 - 358 0 - 477 0 - 477 0 - 477 0 DECK17 1065
IF I=1117 DECK17 1066
IF I=SP2-KA(111) 2 3 4 DECK17 1067
1065 1 IF I=0 11 GO TO 3 DECK17 1068
2 IF I=1 DECK17 1069
3 GO TO 1 DECK17 1070
4 IF I=0 16 GO TO 3 DECK17 1071
1070 5 IF I=SP2-KA(111) 5 6 DECK17 1072
7 IF I=1 DECK17 1073
8 GO TO 4 DECK17 1074
1075 6 IF I=1 DECK17 1075
7 GO TO 8 DECK17 1076
3 IF I=1 DECK17 1077
4 GO TO 8 DECK17 1078
5 5 IF I=SP2-KA(111) 111 5 6 DECK17 1079
JMIN=11-1182741 DECK17 1080
JMIN1=JMIN+27 DECK17 1081
1080 PXP3 DECK17 1082
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      PHM=SP2-1
      PHAX=SP2-5
      IF (PHAX LE 0) PHAX = 0 000001
      IF (PHM LE 0) PHM=0
      DEL=(PHAX-PHMIN)/2
      IF (PX LT PHMIN) PX = PHMIN
      KT=0
224  IF (PX-(PHMIN+DEL*KT)) 225,226,227
1090 227  IF (KT GE 2) GO TO 226
      KT=KT+1
      GO TO 224
226  KS=JMIN+98*KT
      KS1=JMIN+98*KT
      GO TO 100
1095 225  IF (KT EQ 0) GO TO 226
      KS = JMIN+98*(KT-1)
      KS1=JMIN+98*(KT-1)
      KKP=KS+9
      KKP1=KS1+9
      KO=(PX-(PHMIN+DEL*(KT-1)))/DEL
      PHAX=SP2-PX
      IF (PHAX GE 1) PHAX = 9999999
      PHMIN=2*SP2-1-2*PX
      DEL1=(PHAX-PHMIN)/2
      KB=0
234  IF (OU-DEL1*KA) 235,236,237
237  IF (KA EQ 2) GO TO 236
      KB=KB+1
      GO TO 236
1110 236  KS=KS+KB*3
      KS1=KS1+KB*3
      KKP=KKP+KB*3
      KKP1=KKP1+KB*3
      GO TO 350
1115 235  IF (KA EQ 0) GO TO 236
      KS=KS+(KA-1)*3
      KS1=KS1+(KA-1)*3
      KKP=KKP+(KA-1)*3
      KKP1=KKP1+(KA-1)*3
      KSA=KS+3
      KS1A=KS1+3
      KKP1A=KKP1+3
      KO=(OU-(PHMIN+DEL1*(KA-1)))/DEL1
      PHAX=SP2-PX
      IF (PHAX GE 1) PHAX = 9999999
      PHMIN1=OU
      PHMIN2=2*SP2-1-2*PX
      DEL2=(PHAX-PHMIN1)/2
      DEL3=(PHAX-PHMIN2)/2
      KB=0
244  IF (OU-DEL2*KB) 245,246,247
1135 247  IF (KB EQ 2) GO TO 246
      KB=KB+1
      GO TO 244
246  KS=KS+KB
      KS1=KS1+KB
      KKP=KKP+KB
      KKP1=KKP1+KB
      KSA=KS+KB
      KS1A=KS1+KB
      KKP1A=KKP1+KB
      K2P=KKP+KB
      K2P1=KKP1+KB
      K2A=KSA+KB
      K2P1A=KKP1A+KB
      K2PA=KKPA+KB
      K2P1A=KKP1A+KB
      GO TO 300
1145 245  IF (KB EQ 0) GO TO 246
      JB=1
      JK=KB-1
      KJ=KS+JK
      K21=KS1+JK
      K2P=KKP+JK
      K2P1=KKP1+JK
      K2A=KSA+JK
      K21A=KS1A+JK
      K2PA=KKPA+JK
      K2P1A=KKP1A+JK
      K2B=K2+1
      K21B=K21+1
      K2PB=K2P+1
      K2P1B=K2P1+1

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      DECK17 1084
      DECK17 1085
      DECK17 1086
      DECK17 1087
      DECK17 1088
      MOD12 1
      DECK17 1090
      DECK17 1091
      DECK17 1092
      DECK17 1093
      DECK17 1094
      DECK17 1095
      DECK17 1096
      DECK17 1097
      MOD12 2
      DECK17 1098
      DECK17 1100
      DECK17 1101
      DECK17 1102
      DECK17 1103
      DECK17 1104
      DECK17 1105
      DECK17 1106
      DECK17 1107
      DECK17 1108
      DECK17 1109
      DECK17 1110
      DECK17 1111
      DECK17 1112
      DECK17 1113
      DECK17 1114
      DECK17 1115
      DECK17 1116
      DECK17 1117
      DECK17 1118
      DECK17 1119
      DECK17 1120
      DECK17 1121
      DECK17 1122
      DECK17 1123
      DECK17 1124
      DECK17 1125
      DECK17 1126
      DECK17 1127
      DECK17 1128
      DECK17 1129
      DECK17 1130
      DECK17 1131
      DECK17 1132
      DECK17 1133
      DECK17 1134
      DECK17 1135
      DECK17 1136
      DECK17 1137
      DECK17 1138
      DECK17 1139
      DECK17 1140
      DECK17 1141
      DECK17 1142
      DECK17 1143
      DECK17 1144
      DECK17 1145
      DECK17 1146
      DECK17 1147
      DECK17 1148
      DECK17 1149
      DECK17 1150
      DECK17 1151
      DECK17 1152
      DECK17 1153
      DECK17 1154
      DECK17 1155
      DECK17 1156
      DECK17 1157
      DECK17 1158
      DECK17 1159
      DECK17 1160
      DECK17 1161

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      KZAB=KZA+1
      KZ1AB=KZ1A+1
      KZPAB=KZPA+1
      KZP1AB=KZP1A+1
3165  XP=1000-(HAMIN1+DEL24JR)/DEL2
      KC=0
      254 IF(DDU-DEL38RC) 255,256,257
      257 IF(KC.EQ.2) GO TO 254
      KC=KC+1
      GO TO 254
3170  KY=(1-1189+1)*J8(KY-1)+KC
      KY1=KY+3
      KYP=KY+3
      KYP1=KY1+3
      GO TO 500
3175  255 IF(KC.EQ.0) GO TO 254
      KY=(1-1189+1)*J8(KY-1)+KC-1
      KY1=KY+9
      KYP=KY+3
      KYP1=KY1+3
      KYC=KY+1
      KYPC=KYP+1
      KYIC=KY1+1
      KYPIC=KYP1+1
3180  X0=1000-(HAMIN2+DEL38(KC-1))/DEL2
      D1=1 -NM
      D2=XMXQ
      D3=(1-K0-NM-D2)*D1
      D4=(NM-D2)*D1
      3190  D5=(NM-D2)*D1
      D6=D2*D1
      D7=(1-K0-NM-D2)*XN
      D8=(NM-D2)*XN
      D9=(NM-D2)*XN
      3195  D10=D2*XN
      T1401=D3X113(KY)+D4X113(KYC)+D5X113(KYP)+D6X113(KYPC)
      T1402=D3X114(KY)+D4X114(KYC)+D5X114(KYP)+D6X114(KYPC)
      T1403=D3X115(KY)+D4X115(KYC)+D5X115(KYP)+D6X115(KYPC)
      T1404=D3X116(KY)+D4X116(KYC)+D5X116(KYP)+D6X116(KYPC)
      T1405=D3X117(KY)+D4X117(KYC)+D5X117(KYP)+D6X117(KYPC)
      T1406=D3X118(KY)+D4X118(KYC)+D5X118(KYP)+D6X118(KYPC)
      T1407=D3X119(KY)+D4X119(KYC)+D5X119(KYP)+D6X119(KYPC)
      T1408=D3X120(KY)+D4X120(KYC)+D5X120(KYP)+D6X120(KYPC)
      T1409=D3X121(KY)+D4X121(KYC)+D5X121(KYP)+D6X121(KYPC)
      T1410=D3X122(KY)+D4X122(KYC)+D5X122(KYP)+D6X122(KYPC)
      T1411=D3X123(KY)+D4X123(KYC)+D5X123(KYP)+D6X123(KYPC)
      T1412=D3X124(KY)+D4X124(KYC)+D5X124(KYP)+D6X124(KYPC)
      T1413=D3X125(KY)+D4X125(KYC)+D5X125(KYP)+D6X125(KYPC)
      T1414=D3X126(KY)+D4X126(KYC)+D5X126(KYP)+D6X126(KYPC)
      T1415=D3X127(KY)+D4X127(KYC)+D5X127(KYP)+D6X127(KYPC)
      T1416=D3X128(KY)+D4X128(KYC)+D5X128(KYP)+D6X128(KYPC)
      T1417=D3X129(KY)+D4X129(KYC)+D5X129(KYP)+D6X129(KYPC)
      T1418=D3X130(KY)+D4X130(KYC)+D5X130(KYP)+D6X130(KYPC)
      T1419=D3X131(KY)+D4X131(KYC)+D5X131(KYP)+D6X131(KYPC)
      T1420=D3X132(KY)+D4X132(KYC)+D5X132(KYP)+D6X132(KYPC)
      T1421=D3X133(KY)+D4X133(KYC)+D5X133(KYP)+D6X133(KYPC)
      T1422=D3X134(KY)+D4X134(KYC)+D5X134(KYP)+D6X134(KYPC)
      T1423=D3X135(KY)+D4X135(KYC)+D5X135(KYP)+D6X135(KYPC)
      T1424=D3X136(KY)+D4X136(KYC)+D5X136(KYP)+D6X136(KYPC)
      T1425=D3X137(KY)+D4X137(KYC)+D5X137(KYP)+D6X137(KYPC)
      T1426=D3X138(KY)+D4X138(KYC)+D5X138(KYP)+D6X138(KYPC)
      T1427=D3X139(KY)+D4X139(KYC)+D5X139(KYP)+D6X139(KYPC)
      T1428=D3X140(KY)+D4X140(KYC)+D5X140(KYP)+D6X140(KYPC)
      T1429=D3X141(KY)+D4X141(KYC)+D5X141(KYP)+D6X141(KYPC)
      T1430=D3X142(KY)+D4X142(KYC)+D5X142(KYP)+D6X142(KYPC)
      T1431=D3X143(KY)+D4X143(KYC)+D5X143(KYP)+D6X143(KYPC)
      T1432=D3X144(KY)+D4X144(KYC)+D5X144(KYP)+D6X144(KYPC)
      T1433=D3X145(KY)+D4X145(KYC)+D5X145(KYP)+D6X145(KYPC)
      T1434=D3X146(KY)+D4X146(KYC)+D5X146(KYP)+D6X146(KYPC)
      T1435=D3X147(KY)+D4X147(KYC)+D5X147(KYP)+D6X147(KYPC)
      T1436=D3X148(KY)+D4X148(KYC)+D5X148(KYP)+D6X148(KYPC)
      T1437=D3X149(KY)+D4X149(KYC)+D5X149(KYP)+D6X149(KYPC)
      T1438=D3X150(KY)+D4X150(KYC)+D5X150(KYP)+D6X150(KYPC)
      GO TO (400,500,600,200,250),J8
3220  500 D1=X-NM-XN+XMXN
      D2=XN-XMXN
      D3=XN-XMXN
      D4=XMXN
      T1401=D3X113(KY)+D4X113(KYP)+D5X113(KY1)+D6X113(KYP1)
      T1402=D3X114(KY)+D4X114(KYP)+D5X114(KY1)+D6X114(KYP1)
      T1403=D3X115(KY)+D4X115(KYP)+D5X115(KY1)+D6X115(KYP1)
      T1404=D3X116(KY)+D4X116(KYP)+D5X116(KY1)+D6X116(KYP1)
      T1405=D3X117(KY)+D4X117(KYP)+D5X117(KY1)+D6X117(KYP1)
      T1406=D3X118(KY)+D4X118(KYP)+D5X118(KY1)+D6X118(KYP1)
      T1407=D3X119(KY)+D4X119(KYP)+D5X119(KY1)+D6X119(KYP1)
      T1408=D3X120(KY)+D4X120(KYP)+D5X120(KY1)+D6X120(KYP1)
      T1409=D3X121(KY)+D4X121(KYP)+D5X121(KY1)+D6X121(KYP1)
      T1410=D3X122(KY)+D4X122(KYP)+D5X122(KY1)+D6X122(KYP1)
      T1411=D3X123(KY)+D4X123(KYP)+D5X123(KY1)+D6X123(KYP1)
      T1412=D3X124(KY)+D4X124(KYP)+D5X124(KY1)+D6X124(KYP1)
      T1413=D3X125(KY)+D4X125(KYP)+D5X125(KY1)+D6X125(KYP1)
      T1414=D3X126(KY)+D4X126(KYP)+D5X126(KY1)+D6X126(KYP1)
      T1415=D3X127(KY)+D4X127(KYP)+D5X127(KY1)+D6X127(KYP1)
      T1416=D3X128(KY)+D4X128(KYP)+D5X128(KY1)+D6X128(KYP1)
      T1417=D3X129(KY)+D4X129(KYP)+D5X129(KY1)+D6X129(KYP1)
      T1418=D3X130(KY)+D4X130(KYP)+D5X130(KY1)+D6X130(KYP1)
      T1419=D3X131(KY)+D4X131(KYP)+D5X131(KY1)+D6X131(KYP1)
      T1420=D3X132(KY)+D4X132(KYP)+D5X132(KY1)+D6X132(KYP1)
      T1421=D3X133(KY)+D4X133(KYP)+D5X133(KY1)+D6X133(KYP1)
      T1422=D3X134(KY)+D4X134(KYP)+D5X134(KY1)+D6X134(KYP1)
      T1423=D3X135(KY)+D4X135(KYP)+D5X135(KY1)+D6X135(KYP1)
      T1424=D3X136(KY)+D4X136(KYP)+D5X136(KY1)+D6X136(KYP1)
      T1425=D3X137(KY)+D4X137(KYP)+D5X137(KY1)+D6X137(KYP1)
      T1426=D3X138(KY)+D4X138(KYP)+D5X138(KY1)+D6X138(KYP1)
      T1427=D3X139(KY)+D4X139(KYP)+D5X139(KY1)+D6X139(KYP1)
      T1428=D3X140(KY)+D4X140(KYP)+D5X140(KY1)+D6X140(KYP1)
      T1429=D3X141(KY)+D4X141(KYP)+D5X141(KY1)+D6X141(KYP1)
      T1430=D3X142(KY)+D4X142(KYP)+D5X142(KY1)+D6X142(KYP1)
      T1431=D3X143(KY)+D4X143(KYP)+D5X143(KY1)+D6X143(KYP1)
      T1432=D3X144(KY)+D4X144(KYP)+D5X144(KY1)+D6X144(KYP1)
      T1433=D3X145(KY)+D4X145(KYP)+D5X145(KY1)+D6X145(KYP1)
      T1434=D3X146(KY)+D4X146(KYP)+D5X146(KY1)+D6X146(KYP1)
      T1435=D3X147(KY)+D4X147(KYP)+D5X147(KY1)+D6X147(KYP1)
      T1436=D3X148(KY)+D4X148(KYP)+D5X148(KY1)+D6X148(KYP1)
      T1437=D3X149(KY)+D4X149(KYP)+D5X149(KY1)+D6X149(KYP1)
      T1438=D3X150(KY)+D4X150(KYP)+D5X150(KY1)+D6X150(KYP1)
      GO TO (400,500,600,200,250),J8
3235  400 D1=1 -NM
      D2=1 -KP

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DECK17 3162
DECK17 3163
DECK17 3164
DECK17 3165
DECK17 3166
DECK17 3167
DECK17 3168
DECK17 3169
DECK17 3170
DECK17 3171
DECK17 3172
DECK17 3173
DECK17 3174
DECK17 3175
DECK17 3176
DECK17 3177
DECK17 3178
DECK17 3179
DECK17 3180
DECK17 3181
DECK17 3182
DECK17 3183
DECK17 3184
DECK17 3185
DECK17 3186
DECK17 3187
DECK17 3188
DECK17 3189
DECK17 3190
DECK17 3191
DECK17 3192
DECK17 3193
DECK17 3194
DECK17 3195
DECK17 3196
DECK17 3197
DECK17 3198
DECK17 3199
DECK17 3200
DECK17 3201
DECK17 3202
DECK17 3203
DECK17 3204
DECK17 3205
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DECK17 3207
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DECK17 3209
DECK17 3210
DECK17 3211
DECK17 3212
DECK17 3213
DECK17 3214
DECK17 3215
DECK17 3216
DECK17 3217
DECK17 3218
DECK17 3219
DECK17 3220
DECK17 3221
DECK17 3222
DECK17 3223
DECK17 3224
DECK17 3225
DECK17 3226
DECK17 3227
DECK17 3228
DECK17 3229
DECK17 3230
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DECK17 3238
DECK17 3239
DECK17 3240

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3240	03=1 -X0	DECK17	3241
	04=1 -XM	DECK17	3242
	05=01804	DECK17	3243
	06=01806	DECK17	3244
3245	07=02806	DECK17	3245
	08=XF806	DECK17	3246
	09=02805X0	DECK17	3247
	010=053X0	DECK17	3248
	011=01302X03X0	DECK17	3249
	012=03301X03X0	DECK17	3250
3250	013=X03X0302	DECK17	3251
	014=X03X0302	DECK17	3252
	015=X030230304	DECK17	3253
	016=01804X03X0	DECK17	3254
	017=02804X03X0	DECK17	3255
3255	018=X03X03X03	DECK17	3256
	019=02803X03X0	DECK17	3257
	020=X03X03X03	DECK17	3258
	021=02803X03X0	DECK17	3259
	022=X03X03X03X0	DECK17	3260
3260	T1371=078X11 (K2)=058X11 (K28)=058X11 (K28)=0108X11 (K28)	DECK17	3261
	1=0118X11 (K2P)=0128X11 (K2P)=0138X11 (K2P)=0148X11 (K2P)	DECK17	3262
	2=0158X11 (K21)=0168X11 (K21)=0178X11 (K21)=0188X11 (K21)	DECK17	3263
	3=0198X11 (K2P)=0208X11 (K2P)=0218X11 (K2P)=0228X11 (K2P)	DECK17	3264
	T1372=078X12 (K2)=058X12 (K28)=058X12 (K28)=0108X12 (K28)	DECK17	3265
3265	1=0118X12 (K2P)=0128X12 (K2P)=0138X12 (K2P)=0148X12 (K2P)	DECK17	3266
	2=0158X12 (K21)=0168X12 (K21)=0178X12 (K21)=0188X12 (K21)	DECK17	3267
	3=0198X12 (K2P)=0208X12 (K2P)=0218X12 (K2P)=0228X12 (K2P)	DECK17	3268
	T1373=078X13 (K2)=058X13 (K28)=058X13 (K28)=0108X13 (K28)	DECK17	3269
	1=0118X13 (K2P)=0128X13 (K2P)=0138X13 (K2P)=0148X13 (K2P)	DECK17	3270
3270	2=0158X13 (K21)=0168X13 (K21)=0178X13 (K21)=0188X13 (K21)	DECK17	3271
	3=0198X13 (K2P)=0208X13 (K2P)=0218X13 (K2P)=0228X13 (K2P)	DECK17	3272
	T1374=078X14 (K2)=058X14 (K28)=058X14 (K28)=0108X14 (K28)	DECK17	3273
	1=0118X14 (K2P)=0128X14 (K2P)=0138X14 (K2P)=0148X14 (K2P)	DECK17	3274
	2=0158X14 (K21)=0168X14 (K21)=0178X14 (K21)=0188X14 (K21)	DECK17	3275
3275	3=0198X14 (K2P)=0208X14 (K2P)=0218X14 (K2P)=0228X14 (K2P)	DECK17	3276
	T1381=078X15 (K2)=058X15 (K28)=058X15 (K28)=0108X15 (K28)	DECK17	3277
	1=0118X15 (K2P)=0128X15 (K2P)=0138X15 (K2P)=0148X15 (K2P)	DECK17	3278
	2=0158X15 (K21)=0168X15 (K21)=0178X15 (K21)=0188X15 (K21)	DECK17	3279
	3=0198X15 (K2P)=0208X15 (K2P)=0218X15 (K2P)=0228X15 (K2P)	DECK17	3280
3280	T1382=078X16 (K2)=058X16 (K28)=058X16 (K28)=0108X16 (K28)	DECK17	3281
	1=0118X16 (K2P)=0128X16 (K2P)=0138X16 (K2P)=0148X16 (K2P)	DECK17	3282
	2=0158X16 (K21)=0168X16 (K21)=0178X16 (K21)=0188X16 (K21)	DECK17	3283
	3=0198X16 (K2P)=0208X16 (K2P)=0218X16 (K2P)=0228X16 (K2P)	DECK17	3284
	T1383=078X17 (K2)=058X17 (K28)=058X17 (K28)=0108X17 (K28)	DECK17	3285
3285	1=0118X17 (K2P)=0128X17 (K2P)=0138X17 (K2P)=0148X17 (K2P)	DECK17	3286
	2=0158X17 (K21)=0168X17 (K21)=0178X17 (K21)=0188X17 (K21)	DECK17	3287
	3=0198X17 (K2P)=0208X17 (K2P)=0218X17 (K2P)=0228X17 (K2P)	DECK17	3288
	T1384=078X18 (K2)=058X18 (K28)=058X18 (K28)=0108X18 (K28)	DECK17	3289
	1=0118X18 (K2P)=0128X18 (K2P)=0138X18 (K2P)=0148X18 (K2P)	DECK17	3290
3290	2=0158X18 (K21)=0168X18 (K21)=0178X18 (K21)=0188X18 (K21)	DECK17	3291
	3=0198X18 (K2P)=0208X18 (K2P)=0218X18 (K2P)=0228X18 (K2P)	DECK17	3292
	T1391=078X19 (K2)=058X19 (K28)=058X19 (K28)=0108X19 (K28)	DECK17	3293
	1=0118X19 (K2P)=0128X19 (K2P)=0138X19 (K2P)=0148X19 (K2P)	DECK17	3294
	2=0158X19 (K21)=0168X19 (K21)=0178X19 (K21)=0188X19 (K21)	DECK17	3295
3295	3=0198X19 (K2P)=0208X19 (K2P)=0218X19 (K2P)=0228X19 (K2P)	DECK17	3296
	T1392=078X110 (K2)=058X110 (K28)=058X110 (K28)=0108X110 (K28)	DECK17	3297
	1=0118X110 (K2P)=0128X110 (K2P)=0138X110 (K2P)=0148X110 (K2P)	DECK17	3298
	2=0158X110 (K21)=0168X110 (K21)=0178X110 (K21)=0188X110 (K21)	DECK17	3299
	3=0198X110 (K2P)=0208X110 (K2P)=0218X110 (K2P)=0228X110 (K2P)	DECK17	3300
3300	T1393=078X111 (K2)=058X111 (K28)=058X111 (K28)=0108X111 (K28)	DECK17	3301
	1=0118X111 (K2P)=0128X111 (K2P)=0138X111 (K2P)=0148X111 (K2P)	DECK17	3302
	2=0158X111 (K21)=0168X111 (K21)=0178X111 (K21)=0188X111 (K21)	DECK17	3303
	3=0198X111 (K2P)=0208X111 (K2P)=0218X111 (K2P)=0228X111 (K2P)	DECK17	3304
	T1394=078X112 (K2)=058X112 (K28)=058X112 (K28)=0108X112 (K28)	DECK17	3305
3305	1=0118X112 (K2P)=0128X112 (K2P)=0138X112 (K2P)=0148X112 (K2P)	DECK17	3306
	2=0158X112 (K21)=0168X112 (K21)=0178X112 (K21)=0188X112 (K21)	DECK17	3307
	3=0198X112 (K2P)=0208X112 (K2P)=0218X112 (K2P)=0228X112 (K2P)	DECK17	3308
	T1395=078X113 (K2)=058X113 (K28)=058X113 (K28)=0108X113 (K28)	DECK17	3309
	1=0118X113 (K2P)=0128X113 (K2P)=0138X113 (K2P)=0148X113 (K2P)	DECK17	3310
3310	2=0158X113 (K21)=0168X113 (K21)=0178X113 (K21)=0188X113 (K21)	DECK17	3311
	3=0198X113 (K2P)=0208X113 (K2P)=0218X113 (K2P)=0228X113 (K2P)	DECK17	3312
	T1396=078X114 (K2)=058X114 (K28)=058X114 (K28)=0108X114 (K28)	DECK17	3313
	1=0118X114 (K2P)=0128X114 (K2P)=0138X114 (K2P)=0148X114 (K2P)	DECK17	3314
	2=0158X114 (K21)=0168X114 (K21)=0178X114 (K21)=0188X114 (K21)	DECK17	3315
3315	3=0198X114 (K2P)=0208X114 (K2P)=0218X114 (K2P)=0228X114 (K2P)	DECK17	3316
	T1397=078X115 (K2)=058X115 (K28)=058X115 (K28)=0108X115 (K28)	DECK17	3317
	1=0118X115 (K2P)=0128X115 (K2P)=0138X115 (K2P)=0148X115 (K2P)	DECK17	3318
	2=0158X115 (K21)=0168X115 (K21)=0178X115 (K21)=0188X115 (K21)	DECK17	3319

3320	3+D19X119(KZP1)+D20X119(KZP1B)+D21X119(KZP1A)+D22X119(KZP1AB) TJ3784=O7X120(KZ1)+O8X120(KZ2)+O9X120(KZ3)+O10X120(KZ4) 1+O11X120(KZ5)+O12X120(KZ6)+O13X120(KZ7)+O14X120(KZ8) 2+O15X120(KZ9)+O16X120(KZ10)+O17X120(KZ11)+O18X120(KZ12)	DECK17 DECK17 DECK17 DECK17	3320 3321 3322 3323
3325	3+D19X121(KZP1)+D20X121(KZP1B)+D21X121(KZP1A)+D22X121(KZP1AB) TJ3811=O7X121(KZ1)+O8X121(KZ2)+O9X121(KZ3)+O10X121(KZ4) 1+O11X121(KZ5)+O12X121(KZ6)+O13X121(KZ7)+O14X121(KZ8) 2+O15X121(KZ9)+O16X121(KZ10)+O17X121(KZ11)+O18X121(KZ12)	DECK17 DECK17 DECK17 DECK17	3324 3325 3326 3327
3330	3+D19X122(KZP1)+D20X122(KZP1B)+D21X122(KZP1A)+D22X122(KZP1AB) TJ3822=O7X122(KZ1)+O8X122(KZ2)+O9X122(KZ3)+O10X122(KZ4) 1+O11X122(KZ5)+O12X122(KZ6)+O13X122(KZ7)+O14X122(KZ8) 2+O15X122(KZ9)+O16X122(KZ10)+O17X122(KZ11)+O18X122(KZ12)	DECK17 DECK17 DECK17 DECK17	3328 3329 3330 3331
3335	3+D19X123(KZP1)+D20X123(KZP1B)+D21X123(KZP1A)+D22X123(KZP1AB) TJ3833=O7X123(KZ1)+O8X123(KZ2)+O9X123(KZ3)+O10X123(KZ4) 1+O11X123(KZ5)+O12X123(KZ6)+O13X123(KZ7)+O14X123(KZ8) 2+O15X123(KZ9)+O16X123(KZ10)+O17X123(KZ11)+O18X123(KZ12)	DECK17 DECK17 DECK17 DECK17	3332 3333 3334 3335
3340	3+D19X124(KZP1)+D20X124(KZP1B)+D21X124(KZP1A)+D22X124(KZP1AB) TJ3844=O7X124(KZ1)+O8X124(KZ2)+O9X124(KZ3)+O10X124(KZ4) 1+O11X124(KZ5)+O12X124(KZ6)+O13X124(KZ7)+O14X124(KZ8) 2+O15X124(KZ9)+O16X124(KZ10)+O17X124(KZ11)+O18X124(KZ12)	DECK17 DECK17 DECK17 DECK17	3336 3337 3338 3339
3345	3+D19X125(KZP1)+D20X125(KZP1B)+D21X125(KZP1A)+D22X125(KZP1AB) TJ3911=O7X125(KZ1)+O8X125(KZ2)+O9X125(KZ3)+O10X125(KZ4) 1+O11X125(KZ5)+O12X125(KZ6)+O13X125(KZ7)+O14X125(KZ8) 2+O15X125(KZ9)+O16X125(KZ10)+O17X125(KZ11)+O18X125(KZ12)	DECK17 DECK17 DECK17 DECK17	3340 3341 3342 3343
3350	3+D19X126(KZP1)+D20X126(KZP1B)+D21X126(KZP1A)+D22X126(KZP1AB) TJ3922=O7X126(KZ1)+O8X126(KZ2)+O9X126(KZ3)+O10X126(KZ4) 1+O11X126(KZ5)+O12X126(KZ6)+O13X126(KZ7)+O14X126(KZ8) 2+O15X126(KZ9)+O16X126(KZ10)+O17X126(KZ11)+O18X126(KZ12)	DECK17 DECK17 DECK17 DECK17	3344 3345 3346 3347
3355	3+D19X127(KZP1)+D20X127(KZP1B)+D21X127(KZP1A)+D22X127(KZP1AB) TJ3933=O7X127(KZ1)+O8X127(KZ2)+O9X127(KZ3)+O10X127(KZ4) 1+O11X127(KZ5)+O12X127(KZ6)+O13X127(KZ7)+O14X127(KZ8) 2+O15X127(KZ9)+O16X127(KZ10)+O17X127(KZ11)+O18X127(KZ12)	DECK17 DECK17 DECK17 DECK17	3348 3349 3350 3351
3360	3+D19X128(KZP1)+D20X128(KZP1B)+D21X128(KZP1A)+D22X128(KZP1AB) TJ3944=O7X128(KZ1)+O8X128(KZ2)+O9X128(KZ3)+O10X128(KZ4) 1+O11X128(KZ5)+O12X128(KZ6)+O13X128(KZ7)+O14X128(KZ8) 2+O15X128(KZ9)+O16X128(KZ10)+O17X128(KZ11)+O18X128(KZ12)	DECK17 DECK17 DECK17 DECK17	3352 3353 3354 3355
3365	3+D19X129(KZP1)+D20X129(KZP1B)+D21X129(KZP1A)+D22X129(KZP1AB) TJ3955=O7X129(KZ1)+O8X129(KZ2)+O9X129(KZ3)+O10X129(KZ4) 1+O11X129(KZ5)+O12X129(KZ6)+O13X129(KZ7)+O14X129(KZ8) 2+O15X129(KZ9)+O16X129(KZ10)+O17X129(KZ11)+O18X129(KZ12)	DECK17 DECK17 DECK17 DECK17	3356 3357 3358 3359
3370	3+D19X130(KZP1)+D20X130(KZP1B)+D21X130(KZP1A)+D22X130(KZP1AB) TJ3966=O7X130(KZ1)+O8X130(KZ2)+O9X130(KZ3)+O10X130(KZ4) 1+O11X130(KZ5)+O12X130(KZ6)+O13X130(KZ7)+O14X130(KZ8) 2+O15X130(KZ9)+O16X130(KZ10)+O17X130(KZ11)+O18X130(KZ12)	DECK17 DECK17 DECK17 DECK17	3360 3361 3362 3363
3375	3+D19X131(KZP1)+D20X131(KZP1B)+D21X131(KZP1A)+D22X131(KZP1AB) TJ3977=O7X131(KZ1)+O8X131(KZ2)+O9X131(KZ3)+O10X131(KZ4) 1+O11X131(KZ5)+O12X131(KZ6)+O13X131(KZ7)+O14X131(KZ8) 2+O15X131(KZ9)+O16X131(KZ10)+O17X131(KZ11)+O18X131(KZ12)	DECK17 DECK17 DECK17 DECK17	3364 3365 3366 3367
3380	3+D19X132(KZP1)+D20X132(KZP1B)+D21X132(KZP1A)+D22X132(KZP1AB) TJ3988=O7X132(KZ1)+O8X132(KZ2)+O9X132(KZ3)+O10X132(KZ4) 1+O11X132(KZ5)+O12X132(KZ6)+O13X132(KZ7)+O14X132(KZ8) 2+O15X132(KZ9)+O16X132(KZ10)+O17X132(KZ11)+O18X132(KZ12)	DECK17 DECK17 DECK17 DECK17	3368 3369 3370 3371
3385	3+D19X133(KZP1)+D20X133(KZP1B)+D21X133(KZP1A)+D22X133(KZP1AB) TJ3999=O7X133(KZ1)+O8X133(KZ2)+O9X133(KZ3)+O10X133(KZ4) 1+O11X133(KZ5)+O12X133(KZ6)+O13X133(KZ7)+O14X133(KZ8) 2+O15X133(KZ9)+O16X133(KZ10)+O17X133(KZ11)+O18X133(KZ12)	DECK17 DECK17 DECK17 DECK17	3372 3373 3374 3375
3390	3+D19X134(KZP1)+D20X134(KZP1B)+D21X134(KZP1A)+D22X134(KZP1AB) TJ4010=O7X134(KZ1)+O8X134(KZ2)+O9X134(KZ3)+O10X134(KZ4) 1+O11X134(KZ5)+O12X134(KZ6)+O13X134(KZ7)+O14X134(KZ8) 2+O15X134(KZ9)+O16X134(KZ10)+O17X134(KZ11)+O18X134(KZ12)	DECK17 DECK17 DECK17 DECK17	3376 3377 3378 3379
3395	3+D19X135(KZP1)+D20X135(KZP1B)+D21X135(KZP1A)+D22X135(KZP1AB) TJ4021=O7X135(KZ1)+O8X135(KZ2)+O9X135(KZ3)+O10X135(KZ4) 1+O11X135(KZ5)+O12X135(KZ6)+O13X135(KZ7)+O14X135(KZ8) 2+O15X135(KZ9)+O16X135(KZ10)+O17X135(KZ11)+O18X135(KZ12)	DECK17 DECK17 DECK17 DECK17	3380 3381 3382 3383
	3+D19X136(KZP1)+D20X136(KZP1B)+D21X136(KZP1A)+D22X136(KZP1AB) TJ4032=O7X136(KZ1)+O8X136(KZ2)+O9X136(KZ3)+O10X136(KZ4) 1+O11X136(KZ5)+O12X136(KZ6)+O13X136(KZ7)+O14X136(KZ8) 2+O15X136(KZ9)+O16X136(KZ10)+O17X136(KZ11)+O18X136(KZ12)	DECK17 DECK17 DECK17 DECK17	3384 3385 3386 3387
	3+D19X137(KZP1)+D20X137(KZP1B)+D21X137(KZP1A)+D22X137(KZP1AB) TJ4043=O7X137(KZ1)+O8X137(KZ2)+O9X137(KZ3)+O10X137(KZ4) 1+O11X137(KZ5)+O12X137(KZ6)+O13X137(KZ7)+O14X137(KZ8) 2+O15X137(KZ9)+O16X137(KZ10)+O17X137(KZ11)+O18X137(KZ12)	DECK17 DECK17 DECK17 DECK17	3388 3389 3390 3391
	3+D19X138(KZP1)+D20X138(KZP1B)+D21X138(KZP1A)+D22X138(KZP1AB) TJ4054=O7X138(KZ1)+O8X138(KZ2)+O9X138(KZ3)+O10X138(KZ4) 1+O11X138(KZ5)+O12X138(KZ6)+O13X138(KZ7)+O14X138(KZ8) 2+O15X138(KZ9)+O16X138(KZ10)+O17X138(KZ11)+O18X138(KZ12)	DECK17 DECK17 DECK17 DECK17	3392 3393 3394 3395
	3+D19X139(KZP1)+D20X139(KZP1B)+D21X139(KZP1A)+D22X139(KZP1AB) TJ4065=O7X139(KZ1)+O8X139(KZ2)+O9X139(KZ3)+O10X139(KZ4) 1+O11X139(KZ5)+O12X139(KZ6)+O13X139(KZ7)+O14X139(KZ8) 2+O15X139(KZ9)+O16X139(KZ10)+O17X139(KZ11)+O18X139(KZ12)	DECK17 DECK17 DECK17 DECK17	3396 3397 3398 3399


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2+0158XIN3 (KZ1)+0168XIN3 (KZ1B)+0178XIN3 (KZ1A)+0188XIN3 (KZ1AB)
3+0198XIN3 (KZP1)+0208XIN3 (KZP1B)+0218XIN3 (KZP1A)+0228XIN3 (KZP1AB)
1400 TJJ384=D78XIN4 (KZ1)+088XIN4 (KZ1B)+098XIN4 (KZ1A)+0108XIN4 (KZ1AB)
1+0118XIN4 (KZP1)+0128XIN4 (KZP1B)+0138XIN4 (KZP1A)+0148XIN4 (KZP1AB)
2+0158XIN4 (KZ1)+0168XIN4 (KZ1B)+0178XIN4 (KZ1A)+0188XIN4 (KZ1AB)
3+0198XIN4 (KZP1)+0208XIN4 (KZP1B)+0218XIN4 (KZP1A)+0228XIN4 (KZP1AB)
GO TO 700
1405 D1=1 -MO
D2=1 -NM
D3=1 -NM
D4=018028D3
D5=028018X0
1410 D6=018038XM
D7=018080XM
D8=018028XM
D9=0288HAX0
D10=018XMXM
1415 D11=X08XMXM
TJJ371=D48X11 (KZ1)+058X11 (KZ1B)+068X11 (KZP1)+078X11 (KZP1A)
1+088X11 (KZ1)+098X11 (KZ1B)+0108X11 (KZP1)+0118X11 (KZP1A)
TJJ372=D48X12 (KZ1)+058X12 (KZ1B)+068X12 (KZP1)+078X12 (KZP1A)
1+088X12 (KZ1)+098X12 (KZ1B)+0108X12 (KZP1)+0118X12 (KZP1A)
1420 TJJ373=D48X13 (KZ1)+058X13 (KZ1B)+068X13 (KZP1)+078X13 (KZP1A)
1+088X13 (KZ1)+098X13 (KZ1B)+0108X13 (KZP1)+0118X13 (KZP1A)
TJJ374=D48X14 (KZ1)+058X14 (KZ1B)+068X14 (KZP1)+078X14 (KZP1A)
1+088X14 (KZ1)+098X14 (KZ1B)+0108X14 (KZP1)+0118X14 (KZP1A)
TJJ381=D48X15 (KZ1)+058X15 (KZ1B)+068X15 (KZP1)+078X15 (KZP1A)
1+088X15 (KZ1)+098X15 (KZ1B)+0108X15 (KZP1)+0118X15 (KZP1A)
1425 TJJ382=D48X16 (KZ1)+058X16 (KZ1B)+068X16 (KZP1)+078X16 (KZP1A)
1+088X16 (KZ1)+098X16 (KZ1B)+0108X16 (KZP1)+0118X16 (KZP1A)
TJJ383=D48X17 (KZ1)+058X17 (KZ1B)+068X17 (KZP1)+078X17 (KZP1A)
1+088X17 (KZ1)+098X17 (KZ1B)+0108X17 (KZP1)+0118X17 (KZP1A)
1430 TJJ384=D48X18 (KZ1)+058X18 (KZ1B)+068X18 (KZP1)+078X18 (KZP1A)
1+088X18 (KZ1)+098X18 (KZ1B)+0108X18 (KZP1)+0118X18 (KZP1A)
TJJ391=D48X19 (KZ1)+058X19 (KZ1B)+068X19 (KZP1)+078X19 (KZP1A)
1+088X19 (KZ1)+098X19 (KZ1B)+0108X19 (KZP1)+0118X19 (KZP1A)
TJJ392=D48X110 (KZ1)+058X110 (KZ1B)+068X110 (KZP1)+078X110 (KZP1A)
1+088X110 (KZ1)+098X110 (KZ1B)+0108X110 (KZP1)+0118X110 (KZP1A)
1435 TJJ393=D48X111 (KZ1)+058X111 (KZ1B)+068X111 (KZP1)+078X111 (KZP1A)
1+088X111 (KZ1)+098X111 (KZ1B)+0108X111 (KZP1)+0118X111 (KZP1A)
TJJ394=D48X112 (KZ1)+058X112 (KZ1B)+068X112 (KZP1)+078X112 (KZP1A)
1+088X112 (KZ1)+098X112 (KZ1B)+0108X112 (KZP1)+0118X112 (KZP1A)
1440 TJJ395=D48X113 (KZ1)+058X113 (KZ1B)+068X113 (KZP1)+078X113 (KZP1A)
1+088X113 (KZ1)+098X113 (KZ1B)+0108X113 (KZP1)+0118X113 (KZP1A)
TJJ396=D48X114 (KZ1)+058X114 (KZ1B)+068X114 (KZP1)+078X114 (KZP1A)
1+088X114 (KZ1)+098X114 (KZ1B)+0108X114 (KZP1)+0118X114 (KZP1A)
1445 TJJ397=D48X115 (KZ1)+058X115 (KZ1B)+068X115 (KZP1)+078X115 (KZP1A)
1+088X115 (KZ1)+098X115 (KZ1B)+0108X115 (KZP1)+0118X115 (KZP1A)
TJJ398=D48X116 (KZ1)+058X116 (KZ1B)+068X116 (KZP1)+078X116 (KZP1A)
1+088X116 (KZ1)+098X116 (KZ1B)+0108X116 (KZP1)+0118X116 (KZP1A)
1450 TJJ399=D48X117 (KZ1)+058X117 (KZ1B)+068X117 (KZP1)+078X117 (KZP1A)
1+088X117 (KZ1)+098X117 (KZ1B)+0108X117 (KZP1)+0118X117 (KZP1A)
TJJ400=D48X118 (KZ1)+058X118 (KZ1B)+068X118 (KZP1)+078X118 (KZP1A)
1+088X118 (KZ1)+098X118 (KZ1B)+0108X118 (KZP1)+0118X118 (KZP1A)
1455 TJJ401=D48X119 (KZ1)+058X119 (KZ1B)+068X119 (KZP1)+078X119 (KZP1A)
1+088X119 (KZ1)+098X119 (KZ1B)+0108X119 (KZP1)+0118X119 (KZP1A)
TJJ402=D48X120 (KZ1)+058X120 (KZ1B)+068X120 (KZP1)+078X120 (KZP1A)
1+088X120 (KZ1)+098X120 (KZ1B)+0108X120 (KZP1)+0118X120 (KZP1A)
1460 TJJ403=D48X121 (KZ1)+058X121 (KZ1B)+068X121 (KZP1)+078X121 (KZP1A)
1+088X121 (KZ1)+098X121 (KZ1B)+0108X121 (KZP1)+0118X121 (KZP1A)
TJJ404=D48X122 (KZ1)+058X122 (KZ1B)+068X122 (KZP1)+078X122 (KZP1A)
1+088X122 (KZ1)+098X122 (KZ1B)+0108X122 (KZP1)+0118X122 (KZP1A)
1465 TJJ405=D48X123 (KZ1)+058X123 (KZ1B)+068X123 (KZP1)+078X123 (KZP1A)
1+088X123 (KZ1)+098X123 (KZ1B)+0108X123 (KZP1)+0118X123 (KZP1A)
TJJ406=D48X124 (KZ1)+058X124 (KZ1B)+068X124 (KZP1)+078X124 (KZP1A)
1+088X124 (KZ1)+098X124 (KZ1B)+0108X124 (KZP1)+0118X124 (KZP1A)
1470 TJJ407=D48X125 (KZ1)+058X125 (KZ1B)+068X125 (KZP1)+078X125 (KZP1A)
1+088X125 (KZ1)+098X125 (KZ1B)+0108X125 (KZP1)+0118X125 (KZP1A)
TJJ408=D48X126 (KZ1)+058X126 (KZ1B)+068X126 (KZP1)+078X126 (KZP1A)
1+088X126 (KZ1)+098X126 (KZ1B)+0108X126 (KZP1)+0118X126 (KZP1A)
1475 TJJ409=D48X127 (KZ1)+058X127 (KZ1B)+068X127 (KZP1)+078X127 (KZP1A)
1+088X127 (KZ1)+098X127 (KZ1B)+0108X127 (KZP1)+0118X127 (KZP1A)
TJJ410=D48X128 (KZ1)+058X128 (KZ1B)+068X128 (KZP1)+078X128 (KZP1A)
1+088X128 (KZ1)+098X128 (KZ1B)+0108X128 (KZP1)+0118X128 (KZP1A)
1480 TJJ411=D48X129 (KZ1)+058X129 (KZ1B)+068X129 (KZP1)+078X129 (KZP1A)
1+088X129 (KZ1)+098X129 (KZ1B)+0108X129 (KZP1)+0118X129 (KZP1A)
TJJ412=D48X130 (KZ1)+058X130 (KZ1B)+068X130 (KZP1)+078X130 (KZP1A)
1+088X130 (KZ1)+098X130 (KZ1B)+0108X130 (KZP1)+0118X130 (KZP1A)
1485 TJJ413=D48X131 (KZ1)+058X131 (KZ1B)+068X131 (KZP1)+078X131 (KZP1A)
1+088X131 (KZ1)+098X131 (KZ1B)+0108X131 (KZP1)+0118X131 (KZP1A)
TJJ414=D48X132 (KZ1)+058X132 (KZ1B)+068X132 (KZP1)+078X132 (KZP1A)
1+088X132 (KZ1)+098X132 (KZ1B)+0108X132 (KZP1)+0118X132 (KZP1A)
1490 TJJ415=D48X133 (KZ1)+058X133 (KZ1B)+068X133 (KZP1)+078X133 (KZP1A)
1+088X133 (KZ1)+098X133 (KZ1B)+0108X133 (KZP1)+0118X133 (KZP1A)
TJJ416=D48X134 (KZ1)+058X134 (KZ1B)+068X134 (KZP1)+078X134 (KZP1A)
1+088X134 (KZ1)+098X134 (KZ1B)+0108X134 (KZP1)+0118X134 (KZP1A)
1495 TJJ417=D48X135 (KZ1)+058X135 (KZ1B)+068X135 (KZP1)+078X135 (KZP1A)
1+088X135 (KZ1)+098X135 (KZ1B)+0108X135 (KZP1)+0118X135 (KZP1A)
TJJ418=D48X136 (KZ1)+058X136 (KZ1B)+068X136 (KZP1)+078X136 (KZP1A)
1+088X136 (KZ1)+098X136 (KZ1B)+0108X136 (KZP1)+0118X136 (KZP1A)
1500 TJJ419=D48X137 (KZ1)+058X137 (KZ1B)+068X137 (KZP1)+078X137 (KZP1A)
1+088X137 (KZ1)+098X137 (KZ1B)+0108X137 (KZP1)+0118X137 (KZP1A)
TJJ420=D48X138 (KZ1)+058X138 (KZ1B)+068X138 (KZP1)+078X138 (KZP1A)
1+088X138 (KZ1)+098X138 (KZ1B)+0108X138 (KZP1)+0118X138 (KZP1A)
1505 TJJ421=D48X139 (KZ1)+058X139 (KZ1B)+068X139 (KZP1)+078X139 (KZP1A)
1+088X139 (KZ1)+098X139 (KZ1B)+0108X139 (KZP1)+0118X139 (KZP1A)

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1480 1+08X139(KZ1)+09X139(KZ1A)+010X139(KZP1)+011X139(KZP1A)
      TJJ388=D4X140(KZ1)+05X140(KZ1A)+06X140(KZP1)+07X140(KZP1A)
1+08X140(KZ1)+09X140(KZ1A)+010X140(KZP1)+011X140(KZP1A)
      TJJ389=D4X141(KZ1)+05X141(KZ1A)+06X141(KZP1)+07X141(KZP1A)
1+08X141(KZ1)+09X141(KZ1A)+010X141(KZP1)+011X141(KZP1A)
      TJJ390=D4X142(KZ1)+05X142(KZ1A)+06X142(KZP1)+07X142(KZP1A)
1+08X142(KZ1)+09X142(KZ1A)+010X142(KZP1)+011X142(KZP1A)
      TJJ391=D4X143(KZ1)+05X143(KZ1A)+06X143(KZP1)+07X143(KZP1A)
1485 1+08X143(KZ1)+09X143(KZ1A)+010X143(KZP1)+011X143(KZP1A)
      TJJ392=D4X144(KZ1)+05X144(KZ1A)+06X144(KZP1)+07X144(KZP1A)
1+08X144(KZ1)+09X144(KZ1A)+010X144(KZP1)+011X144(KZP1A)
      GO TO 700
100 01=11 -XN1811 -XN)
1490 02=11 -XN18XN
      03=11 -XN18XN
      04=XN18XN
      TJJ371=018X11(KS)+028X11(KKP)+038X11(KS1)+048X11(KKP1)
      TJJ372=018X12(KS)+028X12(KKP)+038X12(KS1)+048X12(KKP1)
1495 TJJ373=018X13(KS)+028X13(KKP)+038X13(KS1)+048X13(KKP1)
      TJJ374=018X14(KS)+028X14(KKP)+038X14(KS1)+048X14(KKP1)
      TJJ375=018X15(KS)+028X15(KKP)+038X15(KS1)+048X15(KKP1)
      TJJ376=018X16(KS)+028X16(KKP)+038X16(KS1)+048X16(KKP1)
      TJJ377=018X17(KS)+028X17(KKP)+038X17(KS1)+048X17(KKP1)
1500 TJJ378=018X18(KS)+028X18(KKP)+038X18(KS1)+048X18(KKP1)
      TJJ379=018X19(KS)+028X19(KKP)+038X19(KS1)+048X19(KKP1)
      TJJ380=018X20(KS)+028X20(KKP)+038X20(KS1)+048X20(KKP1)
      TJJ381=018X21(KS)+028X21(KKP)+038X21(KS1)+048X21(KKP1)
1510 TJJ382=018X22(KS)+028X22(KKP)+038X22(KS1)+048X22(KKP1)
      TJJ383=018X23(KS)+028X23(KKP)+038X23(KS1)+048X23(KKP1)
      TJJ384=018X24(KS)+028X24(KKP)+038X24(KS1)+048X24(KKP1)
      TJJ385=018X25(KS)+028X25(KKP)+038X25(KS1)+048X25(KKP1)
1515 TJJ386=018X26(KS)+028X26(KKP)+038X26(KS1)+048X26(KKP1)
      TJJ387=018X27(KS)+028X27(KKP)+038X27(KS1)+048X27(KKP1)
      TJJ388=018X28(KS)+028X28(KKP)+038X28(KS1)+048X28(KKP1)
      TJJ389=018X29(KS)+028X29(KKP)+038X29(KS1)+048X29(KKP1)
1520 TJJ390=018X30(KS)+028X30(KKP)+038X30(KS1)+048X30(KKP1)
      TJJ391=018X31(KS)+028X31(KKP)+038X31(KS1)+048X31(KKP1)
      TJJ392=018X32(KS)+028X32(KKP)+038X32(KS1)+048X32(KKP1)
      TJJ393=018X33(KS)+028X33(KKP)+038X33(KS1)+048X33(KKP1)
      TJJ394=018X34(KS)+028X34(KKP)+038X34(KS1)+048X34(KKP1)
1525 TJJ395=018X35(KS)+028X35(KKP)+038X35(KS1)+048X35(KKP1)
      TJJ396=018X36(KS)+028X36(KKP)+038X36(KS1)+048X36(KKP1)
      TJJ397=018X37(KS)+028X37(KKP)+038X37(KS1)+048X37(KKP1)
      TJJ398=018X38(KS)+028X38(KKP)+038X38(KS1)+048X38(KKP1)
      TJJ399=018X39(KS)+028X39(KKP)+038X39(KS1)+048X39(KKP1)
1530 TJJ400=018X40(KS)+028X40(KKP)+038X40(KS1)+048X40(KKP1)
      TJJ401=018X41(KS)+028X41(KKP)+038X41(KS1)+048X41(KKP1)
      TJJ402=018X42(KS)+028X42(KKP)+038X42(KS1)+048X42(KKP1)
      TJJ403=018X43(KS)+028X43(KKP)+038X43(KS1)+048X43(KKP1)
      TJJ404=018X44(KS)+028X44(KKP)+038X44(KS1)+048X44(KKP1)
      GO TO 700
1530 350 ARMAX=SP2-PX
      IF (ARMAX GE 1) ARMAX = 99999999
      ARMIN1=0U
      ARMIN2=2*SP2-1-Z*PX
      DEL2=(ARMAX-ARMIN1)/2
1535 DEL3=(ARMAX-ARMIN2)/5
      PB=0
134 IF (K0 EQ 2) GO TO 136
137 KB=KB+1
      GO TO 134
1540 136 KS=KS+KB
      KS1=KS1+KB
      KKP=KKP+KB
      KKP1=KKP1+KB
1545 JB=J
      GO TO 100
135 IF (K0 EQ 0) GO TO 136
      JB=J
      JK=KB-1
      KZ=KS+JK
      KZ1=KS1+JK
      KZP=KKP+JK
      KZP1=KKP1+JK
      KZB=KZ+1
      KZ1B=KZ1+1

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DECK17 1556

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3635      TJJ981=O8XIN1(KZ)+O5XIN1(KZ8)+O6XIN1(KZP)+O7XIN1(KZPD)
      1=O8XIN1(KZ1)+O9XIN1(KZ18)+O10XIN1(KZP1)+O10XIN1(KZP18)
      TJJ982=O8XIN2(KZ)+O5XIN2(KZ8)+O6XIN2(KZP)+O7XIN2(KZPD)
      1=O8XIN2(KZ1)+O9XIN2(KZ18)+O10XIN2(KZP1)+O10XIN2(KZP18)
      TJJ983=O8XIN3(KZ)+O5XIN3(KZ8)+O6XIN3(KZP)+O7XIN3(KZPD)
      1=O8XIN3(KZ1)+O9XIN3(KZ18)+O10XIN3(KZP1)+O10XIN3(KZP18)
      TJJ984=O8XIN4(KZ)+O5XIN4(KZ8)+O6XIN4(KZP)+O7XIN4(KZPD)
      1=O8XIN4(KZ1)+O9XIN4(KZ18)+O10XIN4(KZP1)+O10XIN4(KZP18)
      GO TO 700
      RAMAX=SP2-PX
3645      IF (RAMAX GE 1) RAMAX = 9999999
      RAMIN2=2*SP2-1-2*PX
      DEL1=(RAMAX-RAMIN)/2
      KR=0
      434 IF (OU-DEL1/KR) 435,436,437
3650      437 IF (KR EQ 2) GO TO 436
      KR=KR+1
      GO TO 434
      436 KS=KS+KR+1
      KS1=KS+KR+1
      GO TO 450
      435 IF (KR EQ 0) GO TO 436
      KS=KS+(KR-1)/2
      KS1=KS1+(KR-1)/2
      KSA=KS+1
      KS1A=KS1+1
      XO=100-(RAMIN+DEL1/KR-1)/DEL1
      RAMAX=SP2-PX
      IF (RAMAX GE 1) RAMAX = 9999999
      RAMIN1=OU
      RAMIN2=2*SP2-1-2*PX
      DEL2=(RAMAX-RAMIN1)/2
      DEL3=(RAMAX-RAMIN2)/2
      KB=0
      444 IF (OUU-DEL2/KB) 445,446,447
3670      447 IF (KB EQ 2) GO TO 446
      KB=KB+1
      GO TO 444
      446 K2=KS+KB
      K21=KS1+KB
      K2A=KSA+KB
      K21A=KS1A+KB
      JC=2
      GO TO 550
      445 IF (KB EQ 0) GO TO 446
      K2=KS+KB-1
      K21=KS1+KB-1
      K2A=KSA+KB-1
      K21A=KS1A+KB-1
      K2B=K2+1
      K21B=K21+1
      K2AB=K2A+1
      K21AB=K21A+1
      JC=1
      XP=100U-(RAMIN1+DEL2/KB)/DEL2
      550 KC=0
3690      454 IF (OUU-DEL3/KC) 455,456,457
      457 IF (KC EQ 2) GO TO 456
      KC=KC+1
      GO TO 454
      456 KY=(1-1/89)*1+JXK+KC
      KY1=KY+9
      GO TO 650
      455 IF (KC EQ 0) GO TO 456
      KY=(1-1/89)*1+JXK+KC-1
      KY1=KY+9
      KYC=KY+1
      KY1C=KY1+1
      XO=100U-(RAMIN2+DEL3/KC-1)/DEL3
      D1=1-XQ
      D2=1-XH
      D3=O180Z
      D4=O28XQ
      D5=O18XN
      D6=XN8XQ
3710      T1401=O38X113(KY)+O48X113(KYC)+O58X113(KY1)+O68X113(KY1C)
      T1402=O38X114(KY)+O48X114(KYC)+O58X114(KY1)+O68X114(KY1C)
      T1411=O38X115(KY)+O48X115(KYC)+O58X115(KY1)+O68X115(KY1C)
      T1412=O38X116(KY)+O48X116(KYC)+O58X116(KY1)+O68X116(KY1C)

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	TJ40R1=D18X129(KY)+D48X129(KYC)+D58X129(KY1)+D68X129(KY1C)	DECK17	1715
1715	TJ40R2=D18X130(KY)+D48X130(KYC)+D58X130(KY1)+D68X130(KY1C)	DECK17	1716
	TJ41R1=D18X131(KY)+D48X131(KYC)+D58X131(KY1)+D68X131(KY1C)	DECK17	1717
	TJ41R2=D18X132(KY)+D48X132(KYC)+D58X132(KY1)+D68X132(KY1C)	DECK17	1718
	TJ40B1=D38X145(KY)+D48X145(KYC)+D58X145(KY1)+D68X145(KY1C)	DECK17	1719
	TJ40B2=D38X146(KY)+D48X146(KYC)+D58X146(KY1)+D68X146(KY1C)	DECK17	1720
1720	TJ41B1=D38X147(KY)+D48X147(KYC)+D58X147(KY1)+D68X147(KY1C)	DECK17	1721
	TJ41B2=D38X148(KY)+D48X148(KYC)+D58X148(KY1)+D68X148(KY1C)	DECK17	1722
	GO TO (675,676,677,678).JC	DECK17	1723
650	D1=1-XM	DECK17	1724
	TJ401=D18X113(KY)+XMX113(KY1)	DECK17	1725
1725	TJ402=D18X114(KY)+XMX114(KY1)	DECK17	1726
	TJ411=D18X115(KY)+XMX115(KY1)	DECK17	1727
	TJ412=D18X116(KY)+XMX116(KY1)	DECK17	1728
	TJ40R1=D18X129(KY)+XMX129(KY1)	DECK17	1729
1730	TJ40R2=D18X130(KY)+XMX130(KY1)	DECK17	1730
	TJ41R1=D18X131(KY)+XMX131(KY1)	DECK17	1731
	TJ41R2=D18X132(KY)+XMX132(KY1)	DECK17	1732
	TJ40B1=D18X145(KY)+XMX145(KY1)	DECK17	1733
	TJ40B2=D18X146(KY)+XMX146(KY1)	DECK17	1734
1735	TJ41B1=D18X147(KY)+XMX147(KY1)	DECK17	1735
	TJ41B2=D18X148(KY)+XMX148(KY1)	DECK17	1736
	GO TO (675,676,677,678).JC	DECK17	1737
450	ARMAX=SP2-PX	DECK17	1738
	IF (ARMAX GE Y) ARMAX = 99999999	DECK17	1739
	ARMIN1=OU	DECK17	1740
1740	ARMIN2=2 BSP2-1-2 BPK	DECK17	1741
	DEL2=(ARMAX-ARMIN1)/8	DECK17	1742
	DEL3=(ARMAX-ARMIN2)/8	DECK17	1743
	K8=0	DECK17	1744
554	IF (OUU-DEL2/K8) 555,556,557	DECK17	1745
557	IF (K8 EQ 2) GO TO 554	DECK17	1746
1745	K8=K8+1	DECK17	1747
	GO TO 554	DECK17	1748
556	K5=K5+K8	DECK17	1749
	K51=K51+K8	DECK17	1750
1750	JC=4	DECK17	1751
	GO TO 550	DECK17	1752
555	IF (K8 EQ 0) GO TO 556	DECK17	1753
	K5=K5+K8-1	DECK17	1754
	K51=K51+K8-1	DECK17	1755
1755	K5B=K5+1	DECK17	1756
	K51B=K51+1	DECK17	1757
	JC=3	DECK17	1758
	SHP=(OUU-(ARMIN1+DEL2/K8))/DEL2	DECK17	1759
675	GO TO 550	DECK17	1760
1760	D1=1-KP	DECK17	1761
	D2=1-XO	DECK17	1762
	D3=1-XM	DECK17	1763
	D4=D1D2D3	DECK17	1764
	D5=XPD2D3	DECK17	1765
1765	D6=XOD1D3	DECK17	1766
	D7=XOXPD3	DECK17	1767
	D8=XMD1D3	DECK17	1768
	D9=XMKPD3	DECK17	1769
	D10=XMXOD1	DECK17	1770
	D11=XMXOXPD	DECK17	1771
1770	T1371=D48X11(K21)+D58X11(K2B1)+D68X11(K2M1)+D78X11(K2M8)	DECK17	1772
	I=D58X11(K21)+D98X11(K21B)+D108X11(K21A)+D118X11(K21AB)	DECK17	1773
	T1372=D48X12(K21)+D58X12(K2B1)+D68X12(K2A1)+D78X12(K2AB)	DECK17	1774
	I=D58X12(K21)+D98X12(K21B)+D108X12(K21A)+D118X12(K21AB)	DECK17	1775
1775	T1373=D48X13(K21)+D58X13(K2B1)+D68X13(K2A1)+D78X13(K2AB)	DECK17	1776
	I=D58X13(K21)+D98X13(K21B)+D108X13(K21A)+D118X13(K21AB)	DECK17	1777
	T1374=D48X14(K21)+D58X14(K2B1)+D68X14(K2A1)+D78X14(K2AB)	DECK17	1778
	I=D58X14(K21)+D98X14(K21B)+D108X14(K21A)+D118X14(K21AB)	DECK17	1779
	T1381=D48X15(K21)+D58X15(K2B1)+D68X15(K2A1)+D78X15(K2AB)	DECK17	1780
1780	I=D58X15(K21)+D98X15(K21B)+D108X15(K21A)+D118X15(K21AB)	DECK17	1781
	T1382=D48X16(K21)+D58X16(K2B1)+D68X16(K2A1)+D78X16(K2AB)	DECK17	1782
	I=D58X16(K21)+D98X16(K21B)+D108X16(K21A)+D118X16(K21AB)	DECK17	1783
	T1383=D48X17(K21)+D58X17(K2B1)+D68X17(K2A1)+D78X17(K2AB)	DECK17	1784
	I=D58X17(K21)+D98X17(K21B)+D108X17(K21A)+D118X17(K21AB)	DECK17	1785
	T1384=D48X18(K21)+D58X18(K2B1)+D68X18(K2A1)+D78X18(K2AB)	DECK17	1786
1785	I=D58X18(K21)+D98X18(K21B)+D108X18(K21A)+D118X18(K21AB)	DECK17	1787
	T1391=D48X19(K21)+D58X19(K2B1)+D68X19(K2A1)+D78X19(K2AB)	DECK17	1788
	I=D58X19(K21)+D98X19(K21B)+D108X19(K21A)+D118X19(K21AB)	DECK17	1789
	T1392=D48X10(K21)+D58X10(K2B1)+D68X10(K2A1)+D78X10(K2AB)	DECK17	1790
	I=D58X10(K21)+D98X10(K21B)+D108X10(K21A)+D118X10(K21AB)	DECK17	1791
1790	T1393=D48X11(K21)+D58X11(K2B1)+D68X11(K2A1)+D78X11(K2AB)	DECK17	1792
	I=D58X11(K21)+D98X11(K21B)+D108X11(K21A)+D118X11(K21AB)	DECK17	1793
	T1394=D48X12(K21)+D58X12(K2B1)+D68X12(K2A1)+D78X12(K2AB)	DECK17	1794


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1955 TJJ392=D18X126(KS)+XN8X126(KS1)
      TJJ393=D18X127(KS)+XN8X127(KS1)
      TJJ394=D18X128(KS)+XN8X128(KS1)
      TJJ395=D18X129(KS)+XN8X129(KS1)
      TJJ396=D18X130(KS)+XN8X130(KS1)
      TJJ397=D18X131(KS)+XN8X131(KS1)
      TJJ398=D18X132(KS)+XN8X132(KS1)
      TJJ399=D18X133(KS)+XN8X133(KS1)
      TJJ400=D18X134(KS)+XN8X134(KS1)
      TJJ401=D18X135(KS)+XN8X135(KS1)
      TJJ402=D18X136(KS)+XN8X136(KS1)
      TJJ403=D18X137(KS)+XN8X137(KS1)
      TJJ404=D18X138(KS)+XN8X138(KS1)
      TJJ405=D18X139(KS)+XN8X139(KS1)
      TJJ406=D18X140(KS)+XN8X140(KS1)
      TJJ407=D18X141(KS)+XN8X141(KS1)
      TJJ408=D18X142(KS)+XN8X142(KS1)
      TJJ409=D18X143(KS)+XN8X143(KS1)
      TJJ410=D18X144(KS)+XN8X144(KS1)
      GO TO 700
1960 8 JMIN=JMIN-1:27*1
      PX=PX
      PHIN=SP2-1
      PHAX=SP2-5
1970 IF (PHAX LE 0) PHAX = 0 000001
      IF (PHIN LE 0) PHIN = 0 0
      DEL=(PHAX-PHIN)*5
      IF (PX.LT.PHIN) PX = PHIN
      KT=0
1975 1224 IF (PX-IPMIN+DEL) 1225,1226,1227
      1227 IF (KT GE 2) GO TO 1226
      KT=KT+1
      GO TO 1224
1980 1226 KS=JMIN+9*KT
      GO TO 1000
      1225 IF (KT EQ 0) GO TO 1226
      KS = JMIN+9*KT-1)
      KKP=KS+9
      XN=(PX-(PHIN+DEL*(KT-1))) / DEL
      RMAX=SP2-PX
      IF (RMAX GE 1) RMAX = 9999999
      RMIN=2*SP2-1-2*PX
      DEL1=(RMAX-RMIN)*5
      KA=0
1990 1234 IF (DUU-DEL1) 1235,1236,1237
      1237 IF (KA EQ 2) GO TO 1236
      KA=KA+1
      GO TO 1234
1995 1236 KS=KS+KA*3
      KKP=KKP+KA*3
      GO TO 1150
      1235 IF (KA EQ 0) GO TO 1234
      KS=KS+KA-1*3
      KKP=KKP+KA-1*3
      KSA=KS+3
      KKP=KKP+3
      X0=DUU-IPMIN+DEL1*(KA-1) / DEL1
      RMAX=SP2-PX
      IF (RMAX GE 1) RMAX = 9999999
      RMIN1=0
      RMIN2=2*SP2-1-2*PX
      DEL2=(RMAX-RMIN1)*5
      DEL3=(RMAX-RMIN2)*5
      KB=0
2000 1244 IF (DUU-DEL2) 1245,1246,1247
      1247 IF (KB EQ 2) GO TO 1246
      KB=KB+1
      GO TO 1244
2005 1246 KZ=KS+KB
      KZP=KKP+KB
      KZA=KSA+KB
      KZPA=KKPA+KB
      JB=2
      GO TO 1300
2010 1245 IF (KB EQ 0) GO TO 1246
      JB=1
      JK=KB-1
      KZ=KS+JK
      KZP=KKP+JK
      KZA=KSA+JK
      KZPA=KKPA+JK
      KZB=KZ+1
      KZPB=KZP+1

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4030 KZAB=KZA+1
      KZPB=KZPA+1
      XP=(DUU-(AAMIN1+DEL28JK1)/DEL2
1300 AC=0
1254 IF(DUU-DEL38KC) 1255,1256,1257
1257 IF(KC EQ 2) GO TO 1256
      KC=KC+1
      GO TO 1254
1256 KY=(M-1)89+1+JB(KY-1)+KC
      KYP=KY+3
      GOTO 5000
1255 IF(KC EQ 0) GO TO 1254
      KY=(M-1)89+JB(KY-1)+KC
      KYP=KY+3
      KYC=KY+1
      KYPC=KYP+1
      XQ=(DUU-(AAMIN2+DEL38KC-1)/DEL3
      GO TO 5005
1350 AAMAX=SP2-PX
      IF(AAMAX GE 1) AAMAX = .99999999
      AAMIN1=0U
      AAMIN2=2 SP2-1 -2 SPX
      DEL2=(AAMAX-AAMIN1)8 5
      DEL3=(AAMAX-AAMIN2)8 5
      JB=0
1344 IF(DUU-DEL28KB) 1345,1346,1347
1347 IF(KB EQ 2) GO TO 1346
      KB=KB+1
      GO TO 1344
1346 KS=KS+KB
      KKP=KKP+KB
      JB=J
      GO TO 1300
1345 IF(KB EQ 0) GO TO 1346
      JB=JB+1
      JK=KB-1
      KZ=KS+JK
      KZP=KKP+JK
      KZB=KZ+1
      KZPB=KZB+1
      XP=(DUU-(AAMIN1+DEL38JK1)/DEL2
      GO TO 1300
5005 D1=1 -XM
      D2=1 -KQ
      D3=D1#D2
      D4=X#D1
      D5=X#D2
      D6=X#D3
      TIN01 =D3X113(KY)+D4X113(KYC)+D5X113(KYP)+D6X113(KYPC)
      TIN02 =D3X114(KY)+D4X114(KYC)+D5X114(KYP)+D6X114(KYPC)
      TIN11 =D3X115(KY)+D4X115(KYC)+D5X115(KYP)+D6X115(KYPC)
      TIN12 =D3X116(KY)+D4X116(KYC)+D5X116(KYP)+D6X116(KYPC)
      TJN01 =D3X129(KY)+D4X129(KYC)+D5X129(KYP)+D6X129(KYPC)
      TJN02 =D3X130(KY)+D4X130(KYC)+D5X130(KYP)+D6X130(KYPC)
      TJN11 =D3X131(KY)+D4X131(KYC)+D5X131(KYP)+D6X131(KYPC)
      TJN12 =D3X132(KY)+D4X132(KYC)+D5X132(KYP)+D6X132(KYPC)
      TJN01 =D3X145(KY)+D4X145(KYC)+D5X145(KYP)+D6X145(KYPC)
      TJN02 =D3X146(KY)+D4X146(KYC)+D5X146(KYP)+D6X146(KYPC)
      TJN11 =D3X147(KY)+D4X147(KYC)+D5X147(KYP)+D6X147(KYPC)
      TJN12 =D3X148(KY)+D4X148(KYC)+D5X148(KYP)+D6X148(KYPC)
      GO TO (4000,6000,2000,2500), JB
5000 D1=1 -XM
      TIN01 =D1X113(KY)+XMX113(KYP)
      TIN02 =D1X114(KY)+XMX114(KYP)
      TIN11 =D1X115(KY)+XMX115(KYP)
      TIN12 =D1X116(KY)+XMX116(KYP)
      TJN01 =D1X129(KY)+XMX129(KYP)
      TJN02 =D1X130(KY)+XMX130(KYP)
      TJN11 =D1X131(KY)+XMX131(KYP)
      TJN12 =D1X132(KY)+XMX132(KYP)
      TJN01 =D1X145(KY)+XMX145(KYP)
      TJN02 =D1X146(KY)+XMX146(KYP)
      TJN11 =D1X147(KY)+XMX147(KYP)
      TJN12 =D1X148(KY)+XMX148(KYP)
      GO TO (4000,6000,2000,2500), JB
4000 D1=1 -XM
      D2=1 -KQ
      D3=1 -KP
      D4=D1#D2
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DECK17 4030
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DECK17 4108
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	05=XPRD1802	DECK17	4109
	06=XORD1803	DECK17	4110
4110	07=XPRX0801	DECK17	4111
	08=XPRD1801	DECK17	4112
	09=XPRX0802	DECK17	4113
	010=XORX0803	DECK17	4114
4115	011=XORX0804	DECK17	4115
	T1371=XORX0811 (K2)+06X011 (K2)+06X011 (K2)+07X011 (K2)	DECK17	4116
	1+08X011 (K2P)+09X011 (K2P)+010X011 (K2P)+011X011 (K2P)	DECK17	4117
	T1372=XORX0812 (K2)+06X012 (K2)+06X012 (K2)+07X012 (K2)	DECK17	4118
	1+08X012 (K2P)+09X012 (K2P)+010X012 (K2P)+011X012 (K2P)	DECK17	4119
4120	T1373=XORX0813 (K2)+06X013 (K2)+06X013 (K2)+07X013 (K2)	DECK17	4120
	1+08X013 (K2P)+09X013 (K2P)+010X013 (K2P)+011X013 (K2P)	DECK17	4121
	T1374=XORX0814 (K2)+06X014 (K2)+06X014 (K2)+07X014 (K2)	DECK17	4122
	1+08X014 (K2P)+09X014 (K2P)+010X014 (K2P)+011X014 (K2P)	DECK17	4123
	T1381=XORX0815 (K2)+06X015 (K2)+06X015 (K2)+07X015 (K2)	DECK17	4124
4125	1+08X015 (K2P)+09X015 (K2P)+010X015 (K2P)+011X015 (K2P)	DECK17	4125
	T1382=XORX0816 (K2)+06X016 (K2)+06X016 (K2)+07X016 (K2)	DECK17	4126
	1+08X016 (K2P)+09X016 (K2P)+010X016 (K2P)+011X016 (K2P)	DECK17	4127
	T1383=XORX0817 (K2)+06X017 (K2)+06X017 (K2)+07X017 (K2)	DECK17	4128
	1+08X017 (K2P)+09X017 (K2P)+010X017 (K2P)+011X017 (K2P)	DECK17	4129
4130	T1384=XORX0818 (K2)+06X018 (K2)+06X018 (K2)+07X018 (K2)	DECK17	4130
	1+08X018 (K2P)+09X018 (K2P)+010X018 (K2P)+011X018 (K2P)	DECK17	4131
	T1391=XORX0819 (K2)+06X019 (K2)+06X019 (K2)+07X019 (K2)	DECK17	4132
	1+08X019 (K2P)+09X019 (K2P)+010X019 (K2P)+011X019 (K2P)	DECK17	4133
	T1392=XORX0820 (K2)+06X020 (K2)+06X020 (K2)+07X020 (K2)	DECK17	4134
4135	1+08X020 (K2P)+09X020 (K2P)+010X020 (K2P)+011X020 (K2P)	DECK17	4135
	T1393=XORX0821 (K2)+06X021 (K2)+06X021 (K2)+07X021 (K2)	DECK17	4136
	1+08X021 (K2P)+09X021 (K2P)+010X021 (K2P)+011X021 (K2P)	DECK17	4137
	T1394=XORX0822 (K2)+06X022 (K2)+06X022 (K2)+07X022 (K2)	DECK17	4138
	1+08X022 (K2P)+09X022 (K2P)+010X022 (K2P)+011X022 (K2P)	DECK17	4139
4140	T1395=XORX0823 (K2)+06X023 (K2)+06X023 (K2)+07X023 (K2)	DECK17	4140
	1+08X023 (K2P)+09X023 (K2P)+010X023 (K2P)+011X023 (K2P)	DECK17	4141
	T1396=XORX0824 (K2)+06X024 (K2)+06X024 (K2)+07X024 (K2)	DECK17	4142
	1+08X024 (K2P)+09X024 (K2P)+010X024 (K2P)+011X024 (K2P)	DECK17	4143
	T1397=XORX0825 (K2)+06X025 (K2)+06X025 (K2)+07X025 (K2)	DECK17	4144
4145	1+08X025 (K2P)+09X025 (K2P)+010X025 (K2P)+011X025 (K2P)	DECK17	4145
	T1398=XORX0826 (K2)+06X026 (K2)+06X026 (K2)+07X026 (K2)	DECK17	4146
	1+08X026 (K2P)+09X026 (K2P)+010X026 (K2P)+011X026 (K2P)	DECK17	4147
	T1399=XORX0827 (K2)+06X027 (K2)+06X027 (K2)+07X027 (K2)	DECK17	4148
4150	1+08X027 (K2P)+09X027 (K2P)+010X027 (K2P)+011X027 (K2P)	DECK17	4149
	T1400=XORX0828 (K2)+06X028 (K2)+06X028 (K2)+07X028 (K2)	DECK17	4150
	1+08X028 (K2P)+09X028 (K2P)+010X028 (K2P)+011X028 (K2P)	DECK17	4151
	T1401=XORX0829 (K2)+06X029 (K2)+06X029 (K2)+07X029 (K2)	DECK17	4152
	1+08X029 (K2P)+09X029 (K2P)+010X029 (K2P)+011X029 (K2P)	DECK17	4153
4155	T1402=XORX0830 (K2)+06X030 (K2)+06X030 (K2)+07X030 (K2)	DECK17	4154
	1+08X030 (K2P)+09X030 (K2P)+010X030 (K2P)+011X030 (K2P)	DECK17	4155
	T1403=XORX0831 (K2)+06X031 (K2)+06X031 (K2)+07X031 (K2)	DECK17	4156
	1+08X031 (K2P)+09X031 (K2P)+010X031 (K2P)+011X031 (K2P)	DECK17	4157
	T1404=XORX0832 (K2)+06X032 (K2)+06X032 (K2)+07X032 (K2)	DECK17	4158
	1+08X032 (K2P)+09X032 (K2P)+010X032 (K2P)+011X032 (K2P)	DECK17	4159
4160	T1405=XORX0833 (K2)+06X033 (K2)+06X033 (K2)+07X033 (K2)	DECK17	4160
	1+08X033 (K2P)+09X033 (K2P)+010X033 (K2P)+011X033 (K2P)	DECK17	4161
	T1406=XORX0834 (K2)+06X034 (K2)+06X034 (K2)+07X034 (K2)	DECK17	4162
	1+08X034 (K2P)+09X034 (K2P)+010X034 (K2P)+011X034 (K2P)	DECK17	4163
	T1407=XORX0835 (K2)+06X035 (K2)+06X035 (K2)+07X035 (K2)	DECK17	4164
4165	1+08X035 (K2P)+09X035 (K2P)+010X035 (K2P)+011X035 (K2P)	DECK17	4165
	T1408=XORX0836 (K2)+06X036 (K2)+06X036 (K2)+07X036 (K2)	DECK17	4166
	1+08X036 (K2P)+09X036 (K2P)+010X036 (K2P)+011X036 (K2P)	DECK17	4167
	T1409=XORX0837 (K2)+06X037 (K2)+06X037 (K2)+07X037 (K2)	DECK17	4168
	1+08X037 (K2P)+09X037 (K2P)+010X037 (K2P)+011X037 (K2P)	DECK17	4169
4170	T1410=XORX0838 (K2)+06X038 (K2)+06X038 (K2)+07X038 (K2)	DECK17	4170
	1+08X038 (K2P)+09X038 (K2P)+010X038 (K2P)+011X038 (K2P)	DECK17	4171
	T1411=XORX0839 (K2)+06X039 (K2)+06X039 (K2)+07X039 (K2)	DECK17	4172
	1+08X039 (K2P)+09X039 (K2P)+010X039 (K2P)+011X039 (K2P)	DECK17	4173
4175	T1412=XORX0840 (K2)+06X040 (K2)+06X040 (K2)+07X040 (K2)	DECK17	4174
	1+08X040 (K2P)+09X040 (K2P)+010X040 (K2P)+011X040 (K2P)	DECK17	4175
	T1413=XORX0841 (K2)+06X041 (K2)+06X041 (K2)+07X041 (K2)	DECK17	4176
	1+08X041 (K2P)+09X041 (K2P)+010X041 (K2P)+011X041 (K2P)	DECK17	4177
4180	T1414=XORX0842 (K2)+06X042 (K2)+06X042 (K2)+07X042 (K2)	DECK17	4178
	1+08X042 (K2P)+09X042 (K2P)+010X042 (K2P)+011X042 (K2P)	DECK17	4179
	T1415=XORX0843 (K2)+06X043 (K2)+06X043 (K2)+07X043 (K2)	DECK17	4180
	1+08X043 (K2P)+09X043 (K2P)+010X043 (K2P)+011X043 (K2P)	DECK17	4181
	T1416=XORX0844 (K2)+06X044 (K2)+06X044 (K2)+07X044 (K2)	DECK17	4182
	1+08X044 (K2P)+09X044 (K2P)+010X044 (K2P)+011X044 (K2P)	DECK17	4183
4185	T1417=XORX0845 (K2)+06X045 (K2)+06X045 (K2)+07X045 (K2)	DECK17	4184
	1+08X045 (K2P)+09X045 (K2P)+010X045 (K2P)+011X045 (K2P)	DECK17	4185
	T1418=XORX0846 (K2)+06X046 (K2)+06X046 (K2)+07X046 (K2)	DECK17	4186
	1+08X046 (K2P)+09X046 (K2P)+010X046 (K2P)+011X046 (K2P)	DECK17	4187

	TJ3882=D18X138(K2)+D48X138(K28)+D58X138(K2P)+D68X138(K2P8)	DECK17	4267
	TJ3883=D18X139(K2)+D48X139(K28)+D58X139(K2P)+D68X139(K2P8)	DECK17	4268
	TJ3884=D18X140(K2)+D48X140(K28)+D58X140(K2P)+D68X140(K2P8)	DECK17	4269
4270	TJ3885=D18X141(K2)+D48X141(K28)+D58X141(K2P)+D68X141(K2P8)	DECK17	4270
	TJ3882=D18X142(K2)+D48X142(K28)+D58X142(K2P)+D68X142(K2P8)	DECK17	4271
	TJ3883=D18X143(K2)+D48X143(K28)+D58X143(K2P)+D68X143(K2P8)	DECK17	4272
	TJ3884=D18X144(K2)+D48X144(K28)+D58X144(K2P)+D68X144(K2P8)	DECK17	4273
	GO TO 700	DECK17	4274
4275	2000 OI=1 -XM	DECK17	4275
	TJ3771=D18X11(KS)+XMSX11(KKP)	DECK17	4276
	TJ3772=D18X12(KS)+XMSX12(KKP)	DECK17	4277
	TJ3773=D18X13(KS)+XMSX13(KKP)	DECK17	4278
	TJ3774=D18X14(KS)+XMSX14(KKP)	DECK17	4279
4280	TJ3781=D18X15(KS)+XMSX15(KKP)	DECK17	4280
	TJ3782=D18X16(KS)+XMSX16(KKP)	DECK17	4281
	TJ3783=D18X17(KS)+XMSX17(KKP)	DECK17	4282
	TJ3784=D18X18(KS)+XMSX18(KKP)	DECK17	4283
	TJ3791=D18X19(KS)+XMSX19(KKP)	DECK17	4284
4285	TJ3792=D18X10(KS)+XMSX10(KKP)	DECK17	4285
	TJ3793=D18X11(KS)+XMSX11(KKP)	DECK17	4286
	TJ3794=D18X12(KS)+XMSX12(KKP)	DECK17	4287
	TJ3781=D18X17(KS)+XMSX17(KKP)	DECK17	4288
	TJ3782=D18X18(KS)+XMSX18(KKP)	DECK17	4289
4290	TJ3783=D18X19(KS)+XMSX19(KKP)	DECK17	4290
	TJ3784=D18X20(KS)+XMSX20(KKP)	DECK17	4291
	TJ3881=D18X21(KS)+XMSX21(KKP)	DECK17	4292
	TJ3882=D18X22(KS)+XMSX22(KKP)	DECK17	4293
	TJ3883=D18X23(KS)+XMSX23(KKP)	DECK17	4294
4295	TJ3884=D18X24(KS)+XMSX24(KKP)	DECK17	4295
	TJ3981=D18X25(KS)+XMSX25(KKP)	DECK17	4296
	TJ3982=D18X26(KS)+XMSX26(KKP)	DECK17	4297
	TJ3983=D18X27(KS)+XMSX27(KKP)	DECK17	4298
	TJ3984=D18X28(KS)+XMSX28(KKP)	DECK17	4299
4300	TJ3781=D18X33(KS)+XMSX33(KKP)	DECK17	4300
	TJ3782=D18X34(KS)+XMSX34(KKP)	DECK17	4301
	TJ3783=D18X35(KS)+XMSX35(KKP)	DECK17	4302
	TJ3784=D18X36(KS)+XMSX36(KKP)	DECK17	4303
	TJ3881=D18X37(KS)+XMSX37(KKP)	DECK17	4304
4305	TJ3882=D18X38(KS)+XMSX38(KKP)	DECK17	4305
	TJ3883=D18X39(KS)+XMSX39(KKP)	DECK17	4306
	TJ3884=D18X40(KS)+XMSX40(KKP)	DECK17	4307
	TJ3981=D18X41(KS)+XMSX41(KKP)	DECK17	4308
	TJ3982=D18X42(KS)+XMSX42(KKP)	DECK17	4309
4310	TJ3983=D18X43(KS)+XMSX43(K P)	DECK17	4310
	TJ3984=D18X44(KS)+XMSX44(K P)	DECK17	4311
	GO TO 700	DECK17	4312
	1000 RANX=SP2-PX	DECK17	4313
	IF(RANX GE 1) RANX = 9999999	DECK17	4314
4315	RAN1=2*SP2-1-2*PX	DECK17	4315
	DEL1=(RANX-RAN1)*5	DECK17	4316
	KR=0	DECK17	4317
	1434 IF(DU-DEL18K) 1435,1436,1437	DECK17	4318
	1437 IF(KR EQ 2) GO TO 1436	DECK17	4319
4320	KR=KR+1	DECK17	4320
	GO TO 1434	DECK17	4321
	1436 KS=KS+R81	DECK17	4322
	GO TO 4500	DECK17	4323
	1435 IF(KR EQ 0) GO TO 1436	DECK17	4324
4325	KS=KS+(KA-1)*81	DECK17	4325
	KSA=KS+1	DECK17	4326
	XO=100-(RAN1+DEL18(KR-1))/DEL1	DECK17	4327
	RANX=SP2-PX	DECK17	4328
	IF(RANX GE 1) RANX = 9999999	DECK17	4329
4330	RAN1=DU	DECK17	4330
	RAN1W2=2*SP2-1-2*PX	DECK17	4331
	DEL2=(RANX-RAN1)*5	DECK17	4332
	DEL3=(RANX-RAN1W2)*5	DECK17	4333
	KR=0	DECK17	4334
4335	1444 IF(DU-DEL28K) 1445,1446,1447	DECK17	4335
	1447 IF(KR EQ 2) GO TO 1446	DECK17	4336
	KR=KR+1	DECK17	4337
	GO TO 1444	DECK17	4338
	1446 K2=KS+KB	DECK17	4339
4340	K2A=KSA+KB	DECK17	4340
	JC=2	DECK17	4341
	GO TO 5500	DECK17	4342
	1445 IF(KR EQ 0) GO TO 1446	DECK17	4343
	JA=KB-1	DECK17	4344
4345	JC=1	DECK17	4345

	KZ=KS+JK	DECK17	N146
	KZA=KSA+JK	DECK17	N147
	KZB=KZ+1	DECK17	N148
	KZAB=KZAB+1	DECK17	N149
4350	XP=IDUU-(ARMINI+DEL2+JK)/DEL2	DECK17	N150
	GO TO 5500	DECK17	N151
4500	ARMAY=SP2-PK	DECK17	N152
	IF (ARMAY-GE 1. J. ARMAX = .9999999	DECK17	N153
	ARMINI=DU	DECK17	N154
4355	ARMIN2=2*SP2-1-2*PK	DECK17	N155
	DEL2=(ARMAX-ARMINI)*5	DECK17	N156
	DEL2=(ARMAX-ARMIN2)*5	DECK17	N157
	KB=0	DECK17	N158
1554	IF (IDUU-DEL2+KB) 1555, 1556, 1557	DECK17	N159
4360	1557 IF (KB EQ 2) GO TO 1554	DECK17	N160
	KB=KB+1	DECK17	N161
	GO TO 1554	DECK17	N162
1556	KS=KS+KB	DECK17	N163
	JC=N	DECK17	N164
4365	GO TO 5500	DECK17	N165
1555	IF (KB EQ 0) GO TO 1556	DECK17	N166
	KS=KS+KB-1	DECK17	N167
	JB=KB-1	DECK17	N168
	KSA=KS+1	DECK17	N169
4370	JC=3	DECK17	N170
	XP=IDUU-(ARMINI+DEL2+JK)/DEL2	DECK17	N171
5500	KC=0	DECK17	N172
1454	IF (IDUU-DEL2+KC) 1455, 1456, 1457	DECK17	N173
4375	1457 IF (KC EQ 2) GO TO 1454	DECK17	N174
	KC=KC+1	DECK17	N175
	GO TO 1454	DECK17	N176
1456	KY=IM-1+89+1+JKT+KC	DECK17	N177
	GO TO 6500	DECK17	N178
1455	IF (KC EQ 0) GO TO 1456	DECK17	N179
4380	KY=IM-1+89+JKT+KC	DECK17	N180
	KYC=KY+1	DECK17	N181
	XQ=IDUU-(ARMIN2+DEL2+KXC-1)/DEL2	DECK17	N182
	D1=1-XQ	DECK17	N183
4385	T1401=D18X111(KY)+XQ8X111(KYC)	DECK17	N184
	T1402=D18X112(KY)+XQ8X112(KYC)	DECK17	N185
	T1411=D18X116(KY)+XQ8X116(KYC)	DECK17	N186
	T1412=D18X117(KY)+XQ8X117(KYC)	DECK17	N187
	T14081=D18X129(KY)+XQ8X129(KYC)	DECK17	N188
	T14082=D18X130(KY)+XQ8X130(KYC)	DECK17	N189
4390	T14181=D18X131(KY)+XQ8X131(KYC)	DECK17	N190
	T14182=D18X132(KY)+XQ8X132(KYC)	DECK17	N191
	T14081=D18X145(KY)+XQ8X145(KYC)	DECK17	N192
	T14082=D18X146(KY)+XQ8X146(KYC)	DECK17	N193
	T14181=D18X147(KY)+XQ8X147(KYC)	DECK17	N194
4395	T14182=D18X148(KY)+XQ8X148(KYC)	DECK17	N195
	GO TO 6750, 6760, 6770, 6780, JC	DECK17	N196
6500	T1401=X111(KY)	DECK17	N197
	T1402=X112(KY)	DECK17	N198
	T1411=X115(KY)	DECK17	N199
4400	T1412=X116(KY)	DECK17	N200
	T14081=X129(KY)	DECK17	N201
	T14082=X130(KY)	DECK17	N202
	T14181=X131(KY)	DECK17	N203
	T14182=X132(KY)	DECK17	N204
4405	T14081=X145(KY)	DECK17	N205
	T14082=X146(KY)	DECK17	N206
	T14181=X147(KY)	DECK17	N207
	T14182=X148(KY)	DECK17	N208
	GO TO 6750, 6760, 6770, 6780, JC	DECK17	N209
4410	6750 D1=1-XQ	DECK17	N210
	D2=1-XP	DECK17	N211
	D3=D1402	DECK17	N212
	D4=XP401	DECK17	N213
	D5=XQ402	DECK17	N214
4415	D6=XQ403	DECK17	N215
	T1371=D38X11(KZ)+D48X11(KZ8)+D58X11(KZ9)+D68X11(KZAB)	DECK17	N216
	T1372=D38X12(KZ)+D48X12(KZ8)+D58X12(KZ9)+D68X12(KZAB)	DECK17	N217
	T1373=D38X13(KZ)+D48X13(KZ8)+D58X13(KZ9)+D68X13(KZAB)	DECK17	N218
	T1374=D38X14(KZ)+D48X14(KZ8)+D58X14(KZ9)+D68X14(KZAB)	DECK17	N219
4420	T1381=D38X15(KZ)+D48X15(KZ8)+D58X15(KZ9)+D68X15(KZAB)	DECK17	N220
	T1382=D38X16(KZ)+D48X16(KZ8)+D58X16(KZ9)+D68X16(KZAB)	DECK17	N221
	T1383=D38X17(KZ)+D48X17(KZ8)+D58X17(KZ9)+D68X17(KZAB)	DECK17	N222
	T1384=D38X18(KZ)+D48X18(KZ8)+D58X18(KZ9)+D68X18(KZAB)	DECK17	N223
	T1391=D38X19(KZ)+D48X19(KZ8)+D58X19(KZ9)+D68X19(KZAB)	DECK17	N224

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      R2=RS+JR
      R2A=RSA+JA
      R2B=R2+1
      R2AB=R2A+1
N350  XP=(DUU-(RAMINI+DEL28JR))/DEL2
      GO TO 5500
N500  RAMAX=SP2-PK
      IF (RAMAX-GE 1.1) RAMAX = .9999999
      RAMINI=DU
      RAMIN2=2*SP2-1-2*PK
      DEL2=(RAMAX-RAMINI)/5
      DEL1=(RAMAX-RAMIN2)/5
      KB=0
1554  IF (DUU-DEL28KB) 1555,1556,1557
N360  1557  IF (KB-EQ 2) GO TO 1556
      KB=KB+1
      GO TO 1554
1556  KS=RS+KB
      JC=4
N365  GO TO 5500
1555  IF (KB-EQ 0) GO TO 1556
      KS=RS+KB-1
      JK=KB-1
      KSA=KS+1
      JC=3
N370  XP=(DUU-(RAMINI+DEL28JK))/DEL2
      KC=0
1454  IF (DUU-DEL28KC) 1455,1456,1457
N375  1457  IF (KC-EQ 2) GO TO 1456
      KC=KC+1
      GO TO 1454
1456  KY=(N-1189+J8KT+KC
      GO TO 5500
1455  IF (KC-EQ 0) GO TO 1456
      KY=(N-1189+J8KT+KC
      KYC=KY+1
      RS=(DUU-(RAMIN2+DEL28(KC-1)))/DEL2
      D1=1-XQ
N385  T1N01=D18X113(KY)+X08X113(KYC)
      T1N02=D18X114(KY)+X08X114(KYC)
      T1N11=D18X115(KY)+X08X115(KYC)
      T1N12=D18X116(KY)+X08X116(KYC)
      T1N01=D18X129(KY)+X08X129(KYC)
      T1N02=D18X130(KY)+X08X130(KYC)
      T1N11=D18X131(KY)+X08X131(KYC)
      T1N12=D18X132(KY)+X08X132(KYC)
      T1N01=D18X145(KY)+X08X145(KYC)
      T1N02=D18X146(KY)+X08X146(KYC)
      T1N11=D18X147(KY)+X08X147(KYC)
      T1N12=D18X148(KY)+X08X148(KYC)
N395  GO TO (6750,6760,6770,6780),JC
N400  T1N01=X113(KY)
      T1N02=X114(KY)
      T1N11=X115(KY)
      T1N12=X116(KY)
      T1N01=X129(KY)
      T1N02=X130(KY)
      T1N11=X131(KY)
      T1N12=X132(KY)
      T1N01=X145(KY)
      T1N02=X146(KY)
      T1N11=X147(KY)
      T1N12=X148(KY)
N405  GO TO (6750,6760,6770,6780),JC
N410  6750  D1=1-XQ
      D2=1-XP
      D3=D18D2
      D4=XF8D1
      D5=XF8D2
      D6=X08MP
N415  T1371=D18X11(K2)+D48X11(K28)+D58X11(K2A)+D68X11(K2AB)
      T1372=D18X12(K2)+D48X12(K28)+D58X12(K2A)+D68X12(K2AB)
      T1373=D18X13(K2)+D48X13(K28)+D58X13(K2A)+D68X13(K2AB)
      T1374=D18X14(K2)+D48X14(K28)+D58X14(K2A)+D68X14(K2AB)
      T1381=D18X15(K2)+D48X15(K28)+D58X15(K2A)+D68X15(K2AB)
      T1382=D18X16(K2)+D48X16(K28)+D58X16(K2A)+D68X16(K2AB)
      T1383=D18X17(K2)+D48X17(K28)+D58X17(K2A)+D68X17(K2AB)
      T1384=D18X18(K2)+D48X18(K28)+D58X18(K2A)+D68X18(K2AB)
      T1391=D18X19(K2)+D48X19(K28)+D58X19(K2A)+D68X19(K2AB)

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DECK17  0346
DECK17  0347
DECK17  0348
DECK17  0349
DECK17  0350
DECK17  0351
DECK17  0352
DECK17  0353
DECK17  0354
DECK17  0355
DECK17  0356
DECK17  0357
DECK17  0358
DECK17  0359
DECK17  0360
DECK17  0361
DECK17  0362
DECK17  0363
DECK17  0364
DECK17  0365
DECK17  0366
DECK17  0367
DECK17  0368
DECK17  0369
DECK17  0370
DECK17  0371
DECK17  0372
DECK17  0373
DECK17  0374
DECK17  0375
DECK17  0376
DECK17  0377
DECK17  0378
DECK17  0379
DECK17  0380
DECK17  0381
DECK17  0382
DECK17  0383
DECK17  0384
DECK17  0385
DECK17  0386
DECK17  0387
DECK17  0388
DECK17  0389
DECK17  0390
DECK17  0391
DECK17  0392
DECK17  0393
DECK17  0394
DECK17  0395
DECK17  0396
DECK17  0397
DECK17  0398
DECK17  0399
DECK17  0400
DECK17  0401
DECK17  0402
DECK17  0403
DECK17  0404
DECK17  0405
DECK17  0406
DECK17  0407
DECK17  0408
DECK17  0409
DECK17  0410
DECK17  0411
DECK17  0412
DECK17  0413
DECK17  0414
DECK17  0415
DECK17  0416
DECK17  0417
DECK17  0418
DECK17  0419
DECK17  0420
DECK17  0421
DECK17  0422
DECK17  0423
DECK17  0424

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4425

TJ392=D18X110(K2)+D48X110(K28)+D58X110(K28)+D68X110(K28)
TJ393=D18X111(K2)+D48X111(K28)+D58X111(K28)+D68X111(K28)
TJ394=D18X112(K2)+D48X112(K28)+D58X112(K28)+D68X112(K28)
TJ395=D18X113(K2)+D48X113(K28)+D58X113(K28)+D68X113(K28)

DECK17 4425
DECK17 4426
DECK17 4427
DECK17 4428

4430

TJ396=D18X114(K2)+D48X114(K28)+D58X114(K28)+D68X114(K28)
TJ397=D18X115(K2)+D48X115(K28)+D58X115(K28)+D68X115(K28)
TJ398=D18X116(K2)+D48X116(K28)+D58X116(K28)+D68X116(K28)
TJ399=D18X117(K2)+D48X117(K28)+D58X117(K28)+D68X117(K28)
TJ400=D18X118(K2)+D48X118(K28)+D58X118(K28)+D68X118(K28)
TJ401=D18X119(K2)+D48X119(K28)+D58X119(K28)+D68X119(K28)
TJ402=D18X120(K2)+D48X120(K28)+D58X120(K28)+D68X120(K28)
TJ403=D18X121(K2)+D48X121(K28)+D58X121(K28)+D68X121(K28)
TJ404=D18X122(K2)+D48X122(K28)+D58X122(K28)+D68X122(K28)
TJ405=D18X123(K2)+D48X123(K28)+D58X123(K28)+D68X123(K28)
TJ406=D18X124(K2)+D48X124(K28)+D58X124(K28)+D68X124(K28)

DECK17 4429
DECK17 4430
DECK17 4431
DECK17 4432
DECK17 4433
DECK17 4434
DECK17 4435
DECK17 4436

4435

TJ407=D18X125(K2)+D48X125(K28)+D58X125(K28)+D68X125(K28)
TJ408=D18X126(K2)+D48X126(K28)+D58X126(K28)+D68X126(K28)
TJ409=D18X127(K2)+D48X127(K28)+D58X127(K28)+D68X127(K28)
TJ410=D18X128(K2)+D48X128(K28)+D58X128(K28)+D68X128(K28)
TJ411=D18X129(K2)+D48X129(K28)+D58X129(K28)+D68X129(K28)
TJ412=D18X130(K2)+D48X130(K28)+D58X130(K28)+D68X130(K28)
TJ413=D18X131(K2)+D48X131(K28)+D58X131(K28)+D68X131(K28)
TJ414=D18X132(K2)+D48X132(K28)+D58X132(K28)+D68X132(K28)
TJ415=D18X133(K2)+D48X133(K28)+D58X133(K28)+D68X133(K28)
TJ416=D18X134(K2)+D48X134(K28)+D58X134(K28)+D68X134(K28)
TJ417=D18X135(K2)+D48X135(K28)+D58X135(K28)+D68X135(K28)
TJ418=D18X136(K2)+D48X136(K28)+D58X136(K28)+D68X136(K28)
TJ419=D18X137(K2)+D48X137(K28)+D58X137(K28)+D68X137(K28)
TJ420=D18X138(K2)+D48X138(K28)+D58X138(K28)+D68X138(K28)
TJ421=D18X139(K2)+D48X139(K28)+D58X139(K28)+D68X139(K28)
TJ422=D18X140(K2)+D48X140(K28)+D58X140(K28)+D68X140(K28)
TJ423=D18X141(K2)+D48X141(K28)+D58X141(K28)+D68X141(K28)
TJ424=D18X142(K2)+D48X142(K28)+D58X142(K28)+D68X142(K28)
TJ425=D18X143(K2)+D48X143(K28)+D58X143(K28)+D68X143(K28)
TJ426=D18X144(K2)+D48X144(K28)+D58X144(K28)+D68X144(K28)

DECK17 4437
DECK17 4438
DECK17 4439
DECK17 4440
DECK17 4441
DECK17 4442
DECK17 4443
DECK17 4444
DECK17 4445
DECK17 4446
DECK17 4447
DECK17 4448
DECK17 4449
DECK17 4450
DECK17 4451
DECK17 4452

4450

GO TO 700
6760 D1=1 -X0
TJ371=D18X11(K2)+X08X11(K28)
TJ372=D18X12(K2)+X08X12(K28)
TJ373=D18X13(K2)+X08X13(K28)
TJ374=D18X14(K2)+X08X14(K28)
TJ375=D18X15(K2)+X08X15(K28)
TJ376=D18X16(K2)+X08X16(K28)
TJ377=D18X17(K2)+X08X17(K28)
TJ378=D18X18(K2)+X08X18(K28)
TJ379=D18X19(K2)+X08X19(K28)
TJ380=D18X110(K2)+X08X110(K28)
TJ381=D18X111(K2)+X08X111(K28)
TJ382=D18X112(K2)+X08X112(K28)
TJ383=D18X113(K2)+X08X113(K28)
TJ384=D18X114(K2)+X08X114(K28)
TJ385=D18X115(K2)+X08X115(K28)
TJ386=D18X116(K2)+X08X116(K28)
TJ387=D18X117(K2)+X08X117(K28)
TJ388=D18X118(K2)+X08X118(K28)
TJ389=D18X119(K2)+X08X119(K28)
TJ390=D18X120(K2)+X08X120(K28)
TJ391=D18X121(K2)+X08X121(K28)
TJ392=D18X122(K2)+X08X122(K28)
TJ393=D18X123(K2)+X08X123(K28)
TJ394=D18X124(K2)+X08X124(K28)
TJ395=D18X125(K2)+X08X125(K28)
TJ396=D18X126(K2)+X08X126(K28)
TJ397=D18X127(K2)+X08X127(K28)
TJ398=D18X128(K2)+X08X128(K28)
TJ399=D18X129(K2)+X08X129(K28)
TJ400=D18X130(K2)+X08X130(K28)
TJ401=D18X131(K2)+X08X131(K28)
TJ402=D18X132(K2)+X08X132(K28)
TJ403=D18X133(K2)+X08X133(K28)
TJ404=D18X134(K2)+X08X134(K28)
TJ405=D18X135(K2)+X08X135(K28)
TJ406=D18X136(K2)+X08X136(K28)
TJ407=D18X137(K2)+X08X137(K28)
TJ408=D18X138(K2)+X08X138(K28)
TJ409=D18X139(K2)+X08X139(K28)
TJ410=D18X140(K2)+X08X140(K28)
TJ411=D18X141(K2)+X08X141(K28)
TJ412=D18X142(K2)+X08X142(K28)
TJ413=D18X143(K2)+X08X143(K28)
TJ414=D18X144(K2)+X08X144(K28)
GO TO 700

DECK17 4453
DECK17 4454
DECK17 4455
DECK17 4456
DECK17 4457
DECK17 4458
DECK17 4459
DECK17 4460
DECK17 4461
DECK17 4462
DECK17 4463
DECK17 4464
DECK17 4465
DECK17 4466
DECK17 4467
DECK17 4468
DECK17 4469
DECK17 4470
DECK17 4471
DECK17 4472
DECK17 4473
DECK17 4474
DECK17 4475
DECK17 4476
DECK17 4477
DECK17 4478
DECK17 4479
DECK17 4480
DECK17 4481
DECK17 4482
DECK17 4483
DECK17 4484
DECK17 4485
DECK17 4486
DECK17 4487
DECK17 4488
DECK17 4489
DECK17 4490
DECK17 4491
DECK17 4492
DECK17 4493
DECK17 4494
DECK17 4495
DECK17 4496
DECK17 4497
DECK17 4498
DECK17 4499
DECK17 4500
DECK17 4501
DECK17 4502
DECK17 4503

4455

4460

4465

4470

4475

4480

4485

4490

4495

4500

6770 D1=1 -XP
TJ371=D18X11(KS)+XP8X11(KS8)
TJ372=D18X12(KS)+XP8X12(KS8)
TJ373=D18X13(KS)+XP8X13(KS8)
TJ374=D18X14(KS)+XP8X14(KS8)
TJ375=D18X15(KS)+XP8X15(KS8)
TJ376=D18X16(KS)+XP8X16(KS8)
TJ377=D18X17(KS)+XP8X17(KS8)
TJ378=D18X18(KS)+XP8X18(KS8)
TJ379=D18X19(KS)+XP8X19(KS8)
TJ380=D18X110(KS)+XP8X110(KS8)
TJ381=D18X111(KS)+XP8X111(KS8)
TJ382=D18X112(KS)+XP8X112(KS8)
TJ383=D18X113(KS)+XP8X113(KS8)
TJ384=D18X114(KS)+XP8X114(KS8)
TJ385=D18X115(KS)+XP8X115(KS8)
TJ386=D18X116(KS)+XP8X116(KS8)
TJ387=D18X117(KS)+XP8X117(KS8)
TJ388=D18X118(KS)+XP8X118(KS8)
TJ389=D18X119(KS)+XP8X119(KS8)
TJ390=D18X120(KS)+XP8X120(KS8)
TJ391=D18X121(KS)+XP8X121(KS8)
TJ392=D18X122(KS)+XP8X122(KS8)
TJ393=D18X123(KS)+XP8X123(KS8)
TJ394=D18X124(KS)+XP8X124(KS8)
TJ395=D18X125(KS)+XP8X125(KS8)
TJ396=D18X126(KS)+XP8X126(KS8)
TJ397=D18X127(KS)+XP8X127(KS8)
TJ398=D18X128(KS)+XP8X128(KS8)
TJ399=D18X129(KS)+XP8X129(KS8)
TJ400=D18X130(KS)+XP8X130(KS8)
TJ401=D18X131(KS)+XP8X131(KS8)
TJ402=D18X132(KS)+XP8X132(KS8)
TJ403=D18X133(KS)+XP8X133(KS8)
TJ404=D18X134(KS)+XP8X134(KS8)
TJ405=D18X135(KS)+XP8X135(KS8)
TJ406=D18X136(KS)+XP8X136(KS8)
TJ407=D18X137(KS)+XP8X137(KS8)
TJ408=D18X138(KS)+XP8X138(KS8)
TJ409=D18X139(KS)+XP8X139(KS8)
TJ410=D18X140(KS)+XP8X140(KS8)
TJ411=D18X141(KS)+XP8X141(KS8)
TJ412=D18X142(KS)+XP8X142(KS8)
TJ413=D18X143(KS)+XP8X143(KS8)
TJ414=D18X144(KS)+XP8X144(KS8)

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*505 TJ3781=018X117(KS)+XP8X117(KS)
TJ3782=018X118(KS)+XP8X118(KS)
TJ3783=018X119(KS)+XP8X119(KS)
TJ3784=018X120(KS)+XP8X120(KS)
TJ3781=018X121(KS)+XP8X121(KS)
TJ3782=018X122(KS)+XP8X122(KS)
*510 TJ3783=018X123(KS)+XP8X123(KS)
TJ3784=018X124(KS)+XP8X124(KS)
TJ3781=018X125(KS)+XP8X125(KS)
TJ3782=018X126(KS)+XP8X126(KS)
TJ3783=018X127(KS)+XP8X127(KS)
*515 TJ3784=018X128(KS)+XP8X128(KS)
TJ3781=018X129(KS)+XP8X129(KS)
TJ3782=018X130(KS)+XP8X130(KS)
TJ3783=018X131(KS)+XP8X131(KS)
TJ3784=018X132(KS)+XP8X132(KS)
*520 TJ3781=018X133(KS)+XP8X133(KS)
TJ3782=018X134(KS)+XP8X134(KS)
TJ3783=018X135(KS)+XP8X135(KS)
TJ3784=018X136(KS)+XP8X136(KS)
TJ3781=018X137(KS)+XP8X137(KS)
TJ3782=018X138(KS)+XP8X138(KS)
TJ3783=018X139(KS)+XP8X139(KS)
TJ3784=018X140(KS)+XP8X140(KS)
*525 TJ3781=018X141(KS)+XP8X141(KS)
TJ3782=018X142(KS)+XP8X142(KS)
TJ3783=018X143(KS)+XP8X143(KS)
TJ3784=018X144(KS)+XP8X144(KS)
GO TO 700
*530 6780 TJ371=X11(KS)
TJ372=X11(KS)
TJ373=X11(KS)
TJ374=X16(KS)
TJ381=X16(KS)
TJ382=X16(KS)
*535 TJ383=X17(KS)
TJ384=X18(KS)
TJ391=X19(KS)
TJ392=X110(KS)
TJ393=X111(KS)
*540 TJ394=X112(KS)
TJ3781=X117(KS)
TJ3782=X118(KS)
TJ3783=X119(KS)
TJ3784=X120(KS)
*545 TJ3881=X121(KS)
TJ3882=X122(KS)
TJ3883=X123(KS)
TJ3884=X124(KS)
TJ3981=X125(KS)
*550 TJ3982=X126(KS)
TJ3983=X127(KS)
TJ3984=X128(KS)
TJ3781=X133(KS)
TJ3782=X134(KS)
*555 TJ3783=X135(KS)
TJ3784=X136(KS)
TJ3881=X137(KS)
TJ3882=X138(KS)
TJ3883=X139(KS)
*560 TJ3884=X140(KS)
TJ3981=X141(KS)
TJ3982=X142(KS)
TJ3983=X143(KS)
TJ3984=X144(KS)
*565 GO TO 700
900 PRINT 901
901 FORMAT('M', 'ERROR IN CALLING PROGRAM CORE RADIUS TOO SMALL')
STOP
*570 700 FOX=PX*DU
FIX=PX*DUU
PIE2=1.570796327
TJ44=FOX*FIX*PIE2
TJ448=(FOX+FIX)*PIE2
TJ448=-2.87144
*575 TJ3781=TJ3781-TJ371
TJ3782=TJ3782-TJ372
TJ3783=TJ3783-TJ373
TJ3784=TJ3784-TJ374
TJ3881=TJ3881-TJ381
*580 TJ3882=TJ3882-TJ382
TJ3883=TJ3883-TJ383
TJ3884=TJ3884-TJ384

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DECK17 4504
DECK17 4505
DECK17 4506
DECK17 4507
DECK17 4508
DECK17 4509
DECK17 4510
DECK17 4511
DECK17 4512
DECK17 4513
DECK17 4514
DECK17 4515
DECK17 4516
DECK17 4517
DECK17 4518
DECK17 4519
DECK17 4520
DECK17 4521
DECK17 4522
DECK17 4523
DECK17 4524
DECK17 4525
DECK17 4526
DECK17 4527
DECK17 4528
DECK17 4529
DECK17 4530
DECK17 4531
DECK17 4532
DECK17 4533
DECK17 4534
DECK17 4535
DECK17 4536
DECK17 4537
DECK17 4538
DECK17 4539
DECK17 4540
DECK17 4541
DECK17 4542
DECK17 4543
DECK17 4544
DECK17 4545
DECK17 4546
DECK17 4547
DECK17 4548
DECK17 4549
DECK17 4550
DECK17 4551
DECK17 4552
DECK17 4553
DECK17 4554
DECK17 4555
DECK17 4556
DECK17 4557
DECK17 4558
DECK17 4559
DECK17 4560
DECK17 4561
DECK17 4562
DECK17 4563
DECK17 4564
DECK17 4565
DECK17 4566
DECK17 4567
DECK17 4568
DECK17 4569
DECK17 4570
DECK17 4571
DECK17 4572
DECK17 4573
DECK17 4574
DECK17 4575
DECK17 4576
DECK17 4577
DECK17 4578
DECK17 4579
MOD2 1
DECK17 4581
DECK17 4582

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4585

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TJ1981=TJ1981-T1371
TJ1982=TJ1982-T1392
TJ1983=TJ1983-T1393
TJ1984=TJ1984-T1394
TJ4081=TJ4081-T4101
TJ4082=TJ4082-T4102
TJ4181=TJ4181-T4111
TJ4182=TJ4182-T4112
111Y=1
RETURN
END

```

DECK17	4583
DECK17	4584
DECK17	4585
DECK17	4586
DECK17	4587
DECK17	4588
DECK17	4589
DECK17	4590
DECK17	4591
DECK17	4592
DECK17	4593

SYMBOLIC REFERENCE MAP (R-3)

REFERENCES AFTER LINE 4548 LOST
IN INCREASE FL BY 6000

ENTRY POINTS	DEF LINE	REFERENCES
1. HINT1	1	

VARIABLES	SN	TYPE	RELOCATION
21751 RMAX		REAL	

21752 ABNIN1

21753 AMIN2 REAL

21731 DEL REAL

21742 DEL REAL

21754 DEL 2 DEAL

21755 DEC 3 1964

0 DU 0000

0 000 REAL

22014 01 REAL

REFS	3127	3130	3131	3531	3534	3535	3663
3666	3667	3738	3741	3742	4005	4008	4009
4049	4052	4053	4129	4132	4133	4153	4156
4357	DEFINED	3126	3127	3530	3531	3662	3663
3737	3738	4004	4005	4048	4049	4328	4329
4352	4353						
REFS	3130	3135	3534	3558	3664	3669	3741
3757	4008	4019	4052	4070	4332	4350	4356
4371	DEFINED	3128	3532	3664	3739	4006	4050
4370	4354						
REFS	3131	3185	3535	3667	3703	3742	4009
4048	4053	4333	4357	4382	DEFINED	3129	3533
3665	3740	4007	4051	4131	4355		
REFS	3089	283101	3976	281985	DEFINED	3086	3973
REFS	3107	283125	3642	281661	3991	284003	4318
284327	DEFINED	3105	3647	3989	4316		
REFS	3133	283165	3537	283558	3669	283689	3744
283757	4011	284032	4055	4070	4335	284350	4359
284371	DEFINED	3130	3534	3666	3741	4008	4052
4312	4356						
REFS	3167	283185	3691	283703	4034	284046	4070
4373	284382	DEFINED	3131	3535	3667	3742	4009
4053	4333	4357					
REFS	3107	3126	3128	3532	3649	3661	3664
3739	3991	4003	4006	4050	4318	4327	4370
4354	DEFINED	1					
REFS	3133	3185	3167	3185	3537	3558	3662
3689	3691	3703	3744	3757	4011	4032	4034
4046	4055	4070	4335	4350	4359	4371	4373
4382	DEFINED	1					
REFS	3188	3190					
3228	3229	3230	3231	3232	3233	3234	3235
3236	3237	3238	3239	3240	3241	3242	3243
3412	3414	3493	3494	3495	3496	3497	3498
3499	3500	3501	3502	3503	3504	3505	3506
3507	3508	3509	3510	3511	3512	3513	3514
3515	3516	3517	3518	3519	3520	3521	3522
3523	3524	3525	3526	3527	3528	3529	3530
3537	3538	3539	3540	3541	3542	3543	3544
3547	3548	3549	3550	3551	3552	3553	3554
3728	3729	3730	3731	3732	3733	3734	3735
3762	3764	3766	3768	3845	3847	3888	3889
3930	3931	3932	3933	3934	3935	3936	3937
3938	3939	3940	3941	3942	3943	3944	3945
3946	3947	3948	3949	3950	3951	3952	3953
3954	3955	3956	3957	3958	3959	3960	3961
3962	3963	3964	3965	4074	4075	4092	4093
4094	4095	4096	4097	4098	4099	4100	4101
4102	4103	4104	4105	4106	4111	4191	4192
4234	4235	4276	4277	4278	4279	4280	4281
4282	4283	4284	4285	4286	4287	4288	4289
4290	4291	4292	4293	4294	4295	4296	4297
4298	4299	4300	4301	4302	4303	4304	4305
4306	4307	4308	4309	4310	4311	4314	4315
4316	4317	4318	4319	4390	4391	4392	4393
4394	4395	4412	4413	4454	4455	4456	4457

VARIABLES	SM	TYPE	RELOCATION
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22025	D10	REAL	
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22026	D11	REAL	
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22027	D12	REAL	
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22030	D13	REAL	
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22031	D14	REAL	
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22032	D15	REAL	
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22033	D16	REAL	
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4458	4459	4460	4461	4462	4463	4464	4465
4466	4467	4468	4469	4470	4471	4472	4473
4474	4475	4476	4477	4478	4479	4480	4481
4482	4483	4484	4485	4486	4487	4488	4489
4490	4491	4492	4493	4494	4495	4496	4497
4500	4501	4502	4503	4504	4505	4506	4507
4508	4509	4510	4511	4512	4513	4514	4515
4516	4517	4518	4519	4520	4521	4522	4523
4524	4525	4526	4527	4528	4529	4530	4531
4532	4533	4534	4535	4536	4537	4538	4539
4540	4541	4542	4543	4544	4545	4546	4547
4548	4549	4550	4551	4552	4553	4554	4555
4556	4557	4558	4559	4560	4561	4562	4563
4564	4565	4566	4567	4568	4569	4570	4571
4572	4573	4574	4575	4576	4577	4578	4579
4580	4581	4582	4583	4584	4585	4586	4587
4588	4589	4590	4591	4592	4593	4594	4595
4596	4597	4598	4599	4600	4601	4602	4603
4604	4605	4606	4607	4608	4609	4610	4611
4612	4613	4614	4615	4616	4617	4618	4619
4620	4621	4622	4623	4624	4625	4626	4627
4628	4629	4630	4631	4632	4633	4634	4635
4636	4637	4638	4639	4640	4641	4642	4643
4644	4645	4646	4647	4648	4649	4650	4651
4652	4653	4654	4655	4656	4657	4658	4659
4660	4661	4662	4663	4664	4665	4666	4667
4668	4669	4670	4671	4672	4673	4674	4675
4676	4677	4678	4679	4680	4681	4682	4683
4684	4685	4686	4687	4688	4689	4690	4691
4692	4693	4694	4695	4696	4697	4698	4699
4700	4701	4702	4703	4704	4705	4706	4707
4708	4709	4710	4711	4712	4713	4714	4715
4716	4717	4718	4719	4720	4721	4722	4723
4724	4725	4726	4727	4728	4729	4730	4731
4732	4733	4734	4735	4736	4737	4738	4739
4740	4741	4742	4743	4744	4745	4746	4747
4748	4749	4750	4751	4752	4753	4754	4755
4756	4757	4758	4759	4760	4761	4762	4763
4764	4765	4766	4767	4768	4769	4770	4771
4772	4773	4774	4775	4776	4777	4778	4779
4780	4781	4782	4783	4784	4785	4786	4787
4788	4789	4790	4791	4792	4793	4794	4795
4796	4797	4798	4799	4800	4801	4802	4803
4804	4805	4806	4807	4808	4809	4810	4811
4812	4813	4814	4815	4816	4817	4818	4819
4820	4821	4822	4823	4824	4825	4826	4827
4828	4829	4830	4831	4832	4833	4834	4835
4836	4837	4838	4839	4840	4841	4842	4843
4844	4845	4846	4847	4848	4849	4850	4851
4852	4853	4854	4855	4856	4857	4858	4859
4860	4861	4862	4863	4864	4865	4866	4867
4868	4869	4870	4871	4872	4873	4874	4875
4876	4877	4878	4879	4880	4881	4882	4883
4884	4885	4886	4887	4888	4889	4890	4891
4892	4893	4894	4895	4896	4897	4898	4899
4900	4901	4902	4903	4904	4905	4906	4907
4908	4909	4910	4911	4912	4913	4914	4915
4916	4917	4918	4919	4920	4921	4922	4923
4924	4925	4926	4927	4928	4929	4930	4931
4932	4933	4934	4935	4936	4937	4938	4939
4940	4941	4942	4943	4944	4945	4946	4947
4948	4949	4950	4951	4952	4953	4954	4955
4956	4957	4958	4959	4960	4961	4962	4963
4964	4965	4966	4967	4968	4969	4970	4971
4972	4973	4974	4975	4976	4977	4978	4979
4980	4981	4982	4983	4984	4985	4986	4987
4988	4989	4990	4991	4992	4993	4994	4995
4996	4997	4998	4999	5000	5001	5002	5003
5004	5005	5006	5007	5008	5009	5010	5011
5012	5013	5014	5015	5016	5017	5018	5019
5020	5021	5022	5023	5024	5025	5026	5027
5028	5029	5030	5031	5032	5033	5034	5035
5036	5037	5038	5039	5040	5041	5042	5043
5044	5045	5046	5047	5048	5049	5050	5051
5052	5053	5054	5055	5056	5057	5058	5059
5060	5061	5062	5063	5064	5065	5066	5067
5068	5069	5070	5071	5072	5073	5074	5075
5076	5077	5078	5079	5080	5081	5082	5083
5084	5085	5086	5087	5088	5089	5090	5091
5092	5093	5094	5095	5096	5097	5098	5099
5100	5101	5102	5103	5104	5105	5106	5107
5108	5109	5110	5111	5112	5113	5114	5115
5116	5117	5118	5119	5120	5121	5122	5123
5124	5125	5126	5127	5128	5129	5130	5131
5132	5133	5134	5135	5136	5137	5138	5139
5140	5141	5142	5143	5144	5145	5146	5147
5148	5149	5150	5151	5152	5153	5154	5155
5156	5157	5158	5159	5160	5161	5162	5163
5164	5165	5166	5167	5168	5169	5170	5171
5172	5173	5174	5175	5176	5177	5178	5179
5180	5181	5182	5183	5184	5185	5186	5187
5188	5189	5190	5191	5192	5193	5194	5195
5196	5197	5198	5199	5200	5201	5202	5203
5204	5205	5206	5207	5208	5209	5210	5211
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22041	022	REAL	1352	1356	1360	1364	1368	1372	1376	1380
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VARIABLES SM TYPE RELOCATION

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VARIABLES SM TYPE RELOCATION

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VARIABLES SN TYPE RELOCATION

22023 08 REAL

22024 09 REAL

22046 FIX 8 REAL
22045 FOX 8 REAL
21721 I INTEGER

21767 0 1117
JB INTEGER
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3462	3466	3470	3474	3478	3482	3486	3490
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3622	3626	3630	3634	3638	3642	3646	3650
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3686	3690	3694	3698	3702	3706	3710	3714
3718	3722	3726	3730	3734	3738	3742	3746
3750	3754	3758	3762	3766	3770	3774	3778
3782	3786	3790	3794	3798	3802	3806	3810
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VARIABLES	SN	TYPE	RELOCATION						
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21770 JA		INTEGER		3156 3757 4070 3680 REFS	3146 4024 4346 3753 3080	3550 4025 4347 4023 3093	3551 4026 4350 4026 3097	3552 4032 4371 4348 3980	3558 4067 3148 3549
21724 JMIN		INTEGER		DEFINED REFS	3079 3094 3107	3087 3098 3108	3109 DEFINED	3080 3111	3112 3113
21725 JMIN1		INTEGER		REFS	3116 3651 3992 3118 REFS	3117 3652 3993 3120 3106	3118 3654 3995 3120 3109	3119 3656 3996 3122 3648	3120 3658 3999 4000 3993
21743 KB		INTEGER		3120 REFS	3133 3142	3134 3143	3135 3144	3137 3145	3138 3146
21756 KB		INTEGER		3139 3670 3681 3752 REFS	3541 3671 3682 283751 4018	3542 3673 3683 3754 4021	3543 3674 3684 4011 4022	3544 3675 3745 4012 4055	3547 3658 3746 4013 4056
				4060 3143 REFS	4063 4344 3746	4065 4359 4010	4336 4360 4013	4337 4361 4054	4339 4366 4057
22002 KC		INTEGER		3158 REFS	3167 3692	3168 3693	3169 3694	3171 3695	3176 3696
21735 KKP		INTEGER		4035 4375 3690 REFS	4038 4377 3693 3113	4041 4379 4033 3119	4042 4380 4036 3123	4043 4382 4375 3129	4044 DEFINED 3166 3697
				3495 3503 3511 3518 3527 4025 4281 4282 4283 4284 4285 4286 4287 4288 4289 4290 4291 4292 4293 4294 4295 4296 4297 4298 4299 4300 4301 4302 4303 4304 4305 4306 4307 4308 4309 4310 4311 4312 4313 4314 4315 4316 4317 4318 4319 4320 4321 4322 4323 4324 4325 4326 4327 4328 4329 4330 4331 4332 4333 4334 4335 4336 4337 4338 4339 4340 4341 4342 4343 4344 4345 4346 4347 4348 4349 4350 4351 4352 4353 4354 4355 4356 4357 4358 4359 4360 4361 4362 4363 4364 4365 4366 4367 4368 4369 4370 4371 4372 4373 4374 4375 4376 4377 4378 4379 4380 4381 4382 4383 4384 4385 4386 4387 4388 4389 4390 4391 4392 4393 4394 4395 4396 4397 4398 4399 4400 4401 4402 4403 4404 4405 4406 4407 4408 4409 4410 4411 4412 4413 4414 4415 4416 4417 4418 4419 4420 4421 4422 4423 4424 4425 4426 4427 4428 4429 4430 4431 4432 4433 4434 4435 4436 4437 4438 4439 4440 4441 4442 4443 4444 4445 4446 4447 4448 4449 4450 4451 4452 4453 4454 4455 4456 4457 4458 4459 4460 4461 4462 4463 4464 4465 4466 4467 4468 4469 4470 4471 4472 4473 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4674 4675 4676 4677 4678 4679 4680 4681 4682 4683 4684 4685 4686 4687 4688 4689 4690 4691 4692 4693 4694 4695 4696 4697 4698 4699 4700 4701 4702 4703 4704 4705 4706 4707 4708 4709 4710 4711 4712 4713 4714 4715 4716 4717 4718 4719 4720 4721 4722 4723 4724 4725 4726 4727 4728 4729 4730 4731 4732 4733 4734 4735 4736 4737 4738 4739 4740 4741 4742 4743 4744 4745 4746 4747 4748 4749 4750 4751 4752 4753 4754 4755 4756 4757 4758 4759 4760 4761 4762 4763 4764 4765 4766 4767 4768 4769 4770 4771 4772 4773 4774 4775 4776 4777 4778 4779 4780 4781 4782 4783 4784 4785 4786 4787 4788 4789 4790 4791 4792 4793 4794 4795 4796 4797 4798 4799 4800 4801 4802 4803 4804 4805 4806 4807 4808 4809 4810 4811 4812 4813 4814 4815 4816 4817 4818 4819 4820 4821 4822 4823 4824 4825 4826 4827 4828 4829 4830 4831 4832 4833 4834 4835 4836 4837 4838 4839 4840 4841 4842 4843 4844 4845 4846 4847 4848 4849 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4863 4864 4865 4866 4867 4868 4869 4870 4871 4872 4873 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4948 4949 4950 4951 4952 4953 4954 4955 4956 4957 4958 4959 4960 4961 4962 4963 4964 4965 4966 4967 4968 4969 4970 4971 4972 4973 4974 4975 4976 4977 4978 4979 4980 4981 4982 4983 4984 4985 4986 4987 4988 4989 4990 4991 4992 4993 4994 4995 4996 4997 4998 4999 5000	3121 3122 3123 3124 3125 3126 3127 3128 3129 3130 3131 3132 3133 3134 3135 3136 3137 3138 3139 3140 3141 3142 3143 3144 3145 3146 3147 3148 3149 3150 3151 3152 3153 3154 3155 3156 3157 3158 3159 3160 3161 3162 3163 3164 3165 3166 3167 3168 3169 3170 3171 3172 3173 3174 3175 3176 3177 3178 3179 3180 3181 3182 3183 3184 3185 3186 3187 3188 3189 3190 3191 3192 3193 3194 3195 3196 3197 3198 3199 3200 3201 3202 3203 3204 3205 3206 3207 3208 3209 3210 3211 3212 3213 3214 3215 3216 3217 3218 3219 3220 3221 3222 3223 3224 3225 3226 3227 3228 3229 3230 3231 3232 3233 3234 3235 3236 3237 3238 3239 3240 3241 3242 3243 3244 3245 3246 3247 3248 3249 3250 3251 3252 3253 3254 3255 3256 3257 3258 3259 3260 3261 3262 3263 3264 3265 3266 3267 3268 3269 3270 3271 3272 3273 3274 3275 3276 3277 3278 3279 3280 3281 3282 3283 3284 3285 3286 3287 3288 3289 3290 3291 3292 3293 3294 3295 3296 3297 3298 3299 3300 3301 3302 3303 3304 3305 3306 3307 3308 3309 3310 3311 3312 3313 3314 3315 3316 3317 3318 3319 3320 3321 3322 3323 3324 3325 3326 3327 3328 3329 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 3341 3342 3343 3344 3345 3346 3347 3348 3349 3350 3351 3352 3353 3354 3355 3356 3357 3358 3359 3360 3361 3362 3363 3364 3365 3366 3367 3368 3369 3370 3371 3372 3373 3374 3375 3376 3377 3378 3379 3380 3381 3382 3383 3384 3385 3386 3387 3388 3389 3390 3391 3392 3393 3394 3395 3396 3397 3398 3399 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425 3426 3427 3428 3429 3430 3431 3432 3433 3434			

VARIABLES	SN	TYPE	RELOCATION	4367	4369	4492	4493	4494	4495	4496	4497
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				4370	4372	4495	4496	4497	4498	4499	4500
				4371	4373	4496	4497	4498	4499	4500	4501
				4372	4374	4497	4498	4499	4500	4501	4502
				4373	4375	4498	4499	4500	4501	4502	4503
				4374	4376	4499	4500	4501	4502	4503	4504
				4375	4377	4500	4501	4502	4503	4504	4505
				4376	4378	4501	4502	4503	4504	4505	4506
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				4378	4380	4503	4504	4505	4506	4507	4508
				4379	4381	4504	4505	4506	4507	4508	4509
				4380	4382	4505	4506	4507	4508	4509	4510
				4381	4383	4506	4507	4508	4509	4510	4511
				4382	4384	4507	4508	4509	4510	4511	4512
				4383	4385	4508	4509	4510	4511	4512	4513
				4384	4386	4509	4510	4511	4512	4513	4514
				4385	4387	4510	4511	4512	4513	4514	4515
				4386	4388	4511	4512	4513	4514	4515	4516
				4387	4389	4512	4513	4514	4515	4516	4517
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				4395	4397	4520	4521	4522	4523	4524	4525
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				4401	4403	4526	4527	4528	4529	4530	4531
				4402	4404	4527	4528	4529	4530	4531	4532
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				4405	4407	4530	4531	4532	4533	4534	4535
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VARIABLES SN TYPE RELOCATION

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1876	1878	1880	1882	1884	1886	1888	1890
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1956	1958	1960	1962	1964	1966	1968	1970
1972	1974	1976	1978	1980	1982	1984	1986
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2004	2006	2008	2010	2012	2014	2016	2018
2020	2022	2024	2026	2028	2030	2032	2034
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2052	2054	2056	2058	2060	2062	2064	2066
2068	2070	2072	2074	2076	2078	2080	2082
2084	2086	2088	2090	2092	2094	2096	2098
2100	2102	2104	2106	2108	2110	2112	2114
2116	2118	2120	2122	2124	2126	2128	2130
2132	2134	2136	2138	2140	2142	2144	2146
2148	2150	2152	2154	2156	2158	2160	2162
2164	2166	2168	2170	2172	2174	2176	2178
2180	2182	2184	2186	2188	2190	2192	2194
2196	2198	2200	2202	2204	2206	2208	2210
2212	2214	2216	2218	2220	2222	2224	2226
2228	2230	2232	2234	2236	2238	2240	2242
2244	2246	2248	2250	2252	2254	2256	2258
2260	2262	2264	2266	2268	2270	2272	2274
2276	2278	2280	2282	2284	2286	2288	2290
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2676	2678	2680	2682	2684	2686	2688	2690
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2868	2870	2872	2874	2876	2878	2880	2882
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3620	3622	3624	3626	3628	3630	3632	3634
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3652	3654	3656	3658	3660	3662	3664	3666
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3684	3686	3688	3690	3692	3694	3696	3698
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3748	3750	3752	3754	3756	3758	3760	3762
3764	3766	3768	3770	3772	3774	3776	3778
3780	3782	3784	3786	3788	3790	3792	3794
3796	3798	3800	3802	3804	3806	3808	3810
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3908	3910	3912	3914	3916	3918	3920	3922
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4116	4118	4120	4122	4124	4126	4128	4130
4132	4134	4136	4138	4140	4142	4144	4146
4148	4150	4152	4154	4156	4158	4160	4162
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4180	4182	4184	4186	4188	4190	4192	4194
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4228	4230	4232	4234	4236	4238	4240	4242
4244	4246	4248	4250	4252	4254	4256	4258
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VARIABLES SN TYPE RELOCATION

21765 KZPA INTEGER

21777 KZPB INTEGER

21773 KZPB INTEGER

21762 KZP1 INTEGER

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1976	1980	1984	1988	1992	1996	2000	2004
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2264	2268	2272	2276	2280	2284	2288	2292
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2360	2364	2368	2372	2376	2380	2384	2388
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3160	3164	3168	3172	3176	3180	3184	3188
3192	3196	3200	3204	3208	3212	3216	3220
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4056	4060	4064	4068	4072	4076	4080	4084
4088	4092	4096	4100	4104	4108	4112	4116
4120	4124	4128	4132	4136	4140	4144	4148
4152	4156	4160	4164	4168	4172	4176	4180
4184	4188	4192	4196	4200	4204	4208	4212
4216	4220	4224	4228	4232	4236	4240	4244
4248	4252	4256	4260	4264	4268	4272	4276
4280	4284	4288	4292	4296	4300	4304	4308
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4344	4348	4352	4356	4360	4364	4368	4372
4376	4380	4384	4388	4392	4396	4400	4404
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4568	4572	4576	4580	4584	4588	4592	4596
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5240	5244	5248	5252	5256	5260	5264	5268
5272	5276	5280	5284	5288	5292	5296	5300
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5368	5372	5376	5380	5384	5388	5392	5396
5400	5404	5408	5412	5416	5420	5424	5428
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VARIABLES	SM	TYPE	RELOCATION										
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					1484	1486	1488	1490	1492	1494	1496		
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				1372	1376	1380	1384	1388	1392	1396
				1400	1404	1408	1412	1416	1420	1424
				1428	1432	1436	1440	1444	1448	1452
				1456	1460	1464	1468	1472	1476	1480
				1484	1488	1492	1496	1500	1504	1508
				1512	1516	1520	1524	1528	1532	1536
				1540	1544	1548	1552	1556	1560	1564
				1568	1572	1576	1580	1584	1588	1592
				1596	1600	1604	1608	1612	1616	1620
				1624	1628	1632	1636	1640	1644	1648
				1652	1656	1660	1664	1668	1672	1676
				1680	1684	1688	1692	1696	1700	1704
				1708	1712	1716	1720	1724	1728	1732
				1736	1740	1744	1748	1752	1756	1760
				1764	1768	1772	1776	1780	1784	1788
				1792	1796	1800	1804	1808	1812	1816
				1820	1824	1828	1832	1836	1840	1844
				1848	1852	1856	1860	1864	1868	1872
				1876	1880	1884	1888	1892	1896	1900
				1904	1908	1912	1916	1920	1924	1928
				1932	1936	1940	1944	1948	1952	1956
				1960	1964	1968	1972	1976	1980	1984
				1988	1992	1996	2000	2004	2008	2012
				2016	2020	2024	2028	2032	2036	2040
				2044	2048	2052	2056	2060	2064	2068
				2072	2076	2080	2084	2088	2092	2096
				2100	2104	2108	2112	2116	2120	2124
				2128	2132	2136	2140	2144	2148	2152
				2156	2160	2164	2168	2172	2176	2180
				2184	2188	2192	2196	2200	2204	2208
				2212	2216	2220	2224	2228	2232	2236
				2240	2244	2248	2252	2256	2260	2264
				2268	2272	2276	2280	2284	2288	2292
				2296	2300	2304	2308	2312	2316	2320
				2324	2328	2332	2336	2340	2344	2348
				2352	2356	2360	2364	2368	2372	2376
				2380	2384	2388	2392	2396	2400	2404
				2408	2412	2416	2420	2424	2428	2432
				2436	2440	2444	2448	2452	2456	2460
				2464	2468	2472	2476	2480	2484	2488
				2492	2496	2500	2504	2508	2512	2516
				2520	2524	2528	2532	2536	2540	2544
				2548	2552	2556	2560	2564	2568	2572
				2576	2580	2584	2588	2592	2596	2600
				2604	2608	2612	2616	2620	2624	2628
				2632	2636	2640	2644	2648	2652	2656
				2660	2664	2668	2672	2676	2680	2684
				2688	2692	2696	2700	2704	2708	2712
				2716	2720	2724	2728	2732	2736	2740
				2744	2748	2752	2756	2760	2764	2768
				2772	2776	2780	2784	2788	2792	2796
				2800	2804	2808	2812	2816	2820	2824
				2828	2832	2836	2840	2844	2848	2852
				2856	2860	2864	2868	2872	2876	2880
				2884	2888	2892	2896	2900	2904	2908
				2912	2916	2920	2924	2928	2932	2936
				2940	2944	2948	2952	2956	2960	2964
				2968	2972	2976	2980	2984	2988	2992
				2996	3000	3004	3008	3012	3016	3020
				3024	3028	3032	3036	3040	3044	3048
				3052	3056	3060	3064	3068	3072	3076
				3080	3084	3088	3092	3096	3100	3104
				3108	3112	3116	3120	3124	3128	3132
				3136	3140	3144	3148	3152	3156	3160
				3164	3168	3172	3176	3180	3184	3188
				3192	3196	3200	3204	3208	3212	3216
				3220	3224	3228	3232	3236	3240	3244
				3248	3252	3256	3260	3264	3268	3272
				3276	3280	3284	3288	3292	3296	3300
				3304	3308	3312	3316	3320	3324	3328
				3332	3336	3340	3344	3348	3352	3356
				3360	3364	3368	3372	3376	3380	3384
				3388	3392	3396	3400	3404	3408	3412
				3416	3420	3424	3428	3432	3436	3440
				3444	3448	3452	3456	3460	3464	3468
				3472	3476	3480	3484	3488	3492	3496
				3500	3504	3508	3512	3516	3520	3524
				3528	3532	3536	3540	3544	3548	3552
				3556	3560	3564	3568	3572	3576	3580
				3584	3588	3592	3596	3600	3604	3608
				3612	3616	3620	3624	3628	3632	3636
				3640	3644	3648	3652	3656	3660	3664
				3668	3672	3676	3680	3684	3688	3692
				3696	3700	3704	3708	3712	3716	3720
				3724	3728	3732	3736	3740	3744	3748
				3752	3756	3760	3764	3768	3772	3776
				3780	3784	3788	3792	3796	3800	3804
				3808	3812	3816	3820	3824	3828	3832
				3836	3840	3844	3848	3852	3856	3860
				3864	3868	3872	3876	3880	3884	3888
				3892	3896	3900	3904	3908	3912	3916
				3920	3924	3928	3932	3936	3940	3944
				3948	3952	3956	3960	3964	3968	3972
				3976	3980	3984	3988	3992	3996	4000
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				4060	4064	4068	4072	4076	4080	4084
				4088	4092	4096	4100	4104	4108	4112
				4116	4120	4124	4128	4132	4136	4140
				4144	4148	4152	4156	4160	4164	4168
				4172	4176	4180	4184	4188	4192	4196
				4200	4204	4208	4212	4216	4220	4224
				4228	4232	4236	4240	4244	4248	4252
				4256	4260	4264	4268	4272	4276	4280
				4284	4288	4292	4296	4300	4304	4308
				4312	4316	4320	4324	4328	4332	4336
				4340	4344	4348	4352	4356	4360	4364
				4368	4372	4376	4380	4384	4388	4392
				4396	4400	4404	4408	4412	4416	4420
				4424	4428	4432	4436	4440	4444	4448
				4452	4456	4460	4464	4468	4472	4476
				4480	4484	4488	4492	4496	4500	4504
				4508	4512	4516	4520	4524	4528	4532
				4536	4540	4544	4548	4552	4556	4560
				4564	4568	4572	4576	4580	4584	4588
				4592	4596	4600	4604	4608	4612	4616
				4620	4624	4628	4632	4636	4640	4644
				4648	4652	4656	4660	4664	4668	4672
				4676	4680	4684	4688	4692	4696	4700
				4704	4708	4712	4716	4720	4724	4728
				4732	4736	4740	4744	4748	4752	4756
				4760	4764	4768	4772	4776	4780	4784
				4788	4792	4796	4800	4804	4808	4812
				4816	4820	4824	4828	4832	4836	4840
				4844	4848	4852	4856	4860	4864	4868
				4872	4876	4880	4884	4888	4892	4896
				4900	4904	4908	4912	4916	4920	4924
				4928	4932	4936	4940	4944	4948	4952
				4956	4960	4964	4968	4972	4976	4980
				4984	4988	4992	4996	5000	5004	5008
				5012	5016	5020	5024	5028	5032	5036
				5040	5044	5048	5052	5056	5060	5064
				5068	5072	5076	5080	5084	5088	5092
				5096	5100	5104	5108	5112	5116	5120
				5124	5128	5132	5136	5140	5144	5148
				5152	5156	5160	5164	5168	5172	5176
				5180	5184	5188	5192	5196	5200	5204
				5208	5212	5216	5220	5224	5228	5232
				5236	5240	5244	5248	5252	5256	5260
				5264	5268	5272	5276	5280	5284	5288
				5292	5296	5300	5304	5308	5312	5316
				5320	5324	5328	5332	5336	5340	5344

VARIABLES	SM	TYPE	RELOCATION	DEFINITION							
O T1393	REAL		F P	DEFINED	1	3300	3436	3503	3591	3790	3859
				3902	3940	4136	4205	4248	4286	4426	4464
				4502	4539						
O T1394	REAL		F P	DEFINED	1	3304	3438	3504	3591	3792	3860
				3903	3941	4138	4206	4249	4287	4427	4465
				4503	4540						
O T1401	REAL		F P	DEFINED	1	3196	3225	3710	3724	4078	4092
				3189	4192						
O T1402	REAL		F P	DEFINED	1	3198	3226	3711	3725	4079	4093
				3187	4198						
O T1411	REAL		F P	DEFINED	1	3200	3227	3712	3726	4080	4094
				3186	4199						
O T1412	REAL		F P	DEFINED	1	3202	3228	3713	3727	4081	4095
				3187	4200						
O T144	REAL		F P	DEFINED	1						
O T13781	REAL		F P	DEFINED	1	3354	3463	3517	3613	3818	3873
				3916	3964	4164	4213	4262	4300	4440	4478
				4516							
O T13782	REAL		F P	DEFINED	1	3360	3466	3518	3621	3820	3874
				3917	3965	4166	4220	4261	4301	4441	4479
				4517							
O T13783	REAL		F P	DEFINED	1	3364	3468	3519	3623	3822	3875
				3918	3966	4168	4221	4264	4302	4442	4480
				4518							
O T13784	REAL		F P	DEFINED	1	3368	3470	3520	3625	3824	3876
				3919	3967	4170	4222	4265	4303	4443	4481
				4519							
O T13785	REAL		F P	DEFINED	1	3308	3440	3505	3595	3793	3861
				3904	3942	4140	4207	4250	4288	4428	4466
				4504	4541						
O T13786	REAL		F P	DEFINED	1	3312	3442	3506	3597	3794	3862
				3905	3943	4142	4208	4251	4289	4429	4467
				4505	4542						
O T13787	REAL		F P	DEFINED	1	3316	3444	3507	3599	3798	3863
				3906	3944	4144	4209	4252	4290	4430	4468
				4506	4543						
O T13788	REAL		F P	DEFINED	1	3320	3446	3508	3601	3800	3864
				3907	3945	4146	4210	4253	4291	4431	4469
				4507	4544						
O T13801	REAL		F P	DEFINED	1	3322	3472	3521	3627	3826	3877
				3920	3958	4172	4223	4266	4304	4444	4482
				4520							
O T13802	REAL		F P	DEFINED	1	3324	3474	3522	3629	3829	3878
				3921	3959	4174	4224	4267	4305	4445	4483
				4521							
O T13803	REAL		F P	DEFINED	1	3380	3476	3523	3631	3830	3879
				3922	3960	4176	4225	4268	4306	4446	4484
				4522							
O T13804	REAL		F P	DEFINED	1	3384	3478	3524	3633	3832	3880
				3923	3961	4178	4226	4269	4307	4447	4485
				4523							
O T13805	REAL		F P	DEFINED	1	3324	3448	3507	3603	3802	3865
				3908	3946	4148	4211	4254	4292	4432	4470
				4508	4545						
O T13806	REAL		F P	DEFINED	1	3328	3450	3510	3605	3804	3866
				3909	3947	4150	4212	4255	4293	4433	4471
				4509	4546						
O T13807	REAL		F P	DEFINED	1	3332	3452	3511	3607	3806	3867
				3910	3948	4152	4213	4256	4294	4434	4472
				4510	4547						
O T13808	REAL		F P	DEFINED	1	3336	3454	3512	3609	3808	3868
				3911	3949	4154	4214	4257	4295	4435	4473
				4511							
O T13901	REAL		F P	DEFINED	1	3388	3480	3525	3635	3834	3881
				3924	3962	4180	4227	4270	4308	4448	4486
				4524							
O T13902	REAL		F P	DEFINED	1	3392	3482	3526	3637	3836	3882
				3925	3963	4182	4228	4271	4309	4449	4487
				4525							
O T13903	REAL		F P	DEFINED	1	3396	3484	3527	3639	3838	3883
				3926	3964	4184	4229	4272	4310	4450	4488
				4526							
O T13904	REAL		F P	DEFINED	1	3400	3486	3528	3641	3840	3884
				3927	3965	4186	4230	4273	4311	4451	4489
				4527							
O T13905	REAL		F P	DEFINED	1	3340	3458	3513	3611	3810	3869
				3912	3950	4156	4215	4258	4296	4436	4474
				4512							
O T13906	REAL		F P	DEFINED	1	3344	3458	3514	3613	3812	3870

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VARIABLES	SM	TYPE	RELOCATION									
					3913	3951	4158	4216	4259	4297	4437	4475
					4513							
O TJ39P3	REAL		F P	DEFINED	1	3348	3460	3515	3615	3814	3871	
					3814	3863	4160	4217	4260	4388	4438	4476
					4514							
O TJ39P4	REAL		F P	DEFINED	1	3352	3462	3516	3617	3816	3872	
					3915	3953	4162	4218	4261	4299	4439	4477
					4515							
O TJ40B1	REAL		F P	DEFINED	1	3212	3233	3718	3732	4086	4100	
					4392	4405						
O TJ40B2	REAL		F P	DEFINED	1	3214	3234	3719	3733	4087	4101	
					4393	4406						
O TJ40R1	REAL		F P	DEFINED	1	3204	3229	3714	3728	4082	4096	
					4388	4401						
O TJ40R2	REAL		F P	DEFINED	1	3206	3230	3715	3729	4083	4097	
					4389	4402						
O TJ41B1	REAL		F P	DEFINED	1	3216	3235	3720	3734	4088	4102	
					4394	4407						
O TJ41B2	REAL		F P	DEFINED	1	3218	3236	3721	3735	4089	4103	
					4395	4408						
O TJ41R1	REAL		F P	DEFINED	1	3208	3231	3716	3730	4084	4098	
					4390	4403						
O TJ41R2	REAL		F P	DEFINED	1	3210	3232	3717	3731	4085	4099	
					4391	4404						
O TJ44B	REAL		F P	DEFINED	1							
O TJ44R	REAL		F P	DEFINED	1							
O XA	REAL											
22050 X11	REAL	ARRAY	P65	REFS	7	3066	3071	342078	813571	813770	813859	
					8	1643260	813491	813492	813493	813494	813495	
					283930	813114	813115	813116	813117	813118	813119	
					284492	4529	16	36	54	73		
31530 X110	REAL	ARRAY		REFS	8	1643296	813434	813502	813589	813788	813858	
					283939	813134	813209	813247	813285	813425	813493	
					284501	4538	1015	1051	1080	1064		
32410 X111	REAL	ARRAY		REFS	8	1643300	813436	813503	813591	813790	813859	
					283940	813136	813205	813248	813286	813426	813494	
					284502	4539	1088	1107	1126	1158		
33270 X112	REAL	ARRAY		REFS	8	1643304	813438	813504	813593	813792	813860	
					283941	813138	813206	813249	813287	813427	813495	
					284503	4540	1164	1183	1202	1221		
34150 X113	REAL	ARRAY		REFS	8	1643316	813440	813505	813594	813793	813861	
					283942	813140	813207	813250	813288	813428	813496	
					284504	4541	1240	1259	1278	1297		
34370 X114	REAL	ARRAY		REFS	8	1643312	813442	813506	813597	813796	813862	
					283943	813142	813208	813251	813289	813429	813497	
					284505	4542	1332	1411	1430	1449		
34610 X115	REAL	ARRAY		REFS	8	1643316	813444	813507	813599	813798	813863	
					283944	813144	813209	813252	813290	813430	813498	
					284506	4543	1444	1523	1542	1561		
35030 X116	REAL	ARRAY		REFS	8	1643320	813446	813508	813599	813799	813864	
					283945	813146	813210	813253	813291	813431	813499	
					284507	4544	1696	1715	1734	1753		
35250 X117	REAL	ARRAY		REFS	8	1643324	813448	813509	813603	813802	813865	
					283946	813148	813211	813254	813292	813432	813499	
					284508	4545	1848	1867	1886	1905		
36130 X118	REAL	ARRAY		REFS	8	1643328	813450	813510	813605	813804	813866	
					283947	813150	813212	813255	813293	813433	813499	
					284509	4546	2000	2019	2038	2057		
37010 X119	REAL	ARRAY		REFS	8	1643332	813452	813511	813607	813806	813867	
					283948	813152	813213	813256	813294	813434	813499	
					284510	4547	2152	2171	2190	2209		
37670 X120	REAL	ARRAY		REFS	8	1643336	813454	813512	813609	813808	813868	
					283949	813154	813214	813257	813295	813435	813499	
					284511	4548	2304	2323	2342	2361		
40550 X121	REAL	ARRAY		REFS	8	1643340	813456	813513	813611	813810	813869	
					283950	813156	813215	813258	813296	813436	813499	
					284512	4549	2456	2475	2494	2513		
41430 X122	REAL	ARRAY		REFS	8	1643344	813458	813514	813613	813812	813870	
					283951	4081	813458	813514	813613	813812	813870	
42310 X123	REAL	ARRAY		REFS	8	1643348	813460	813516	813615	813814	813872	
					283952	813158	813216	813259	813297	813437	813499	
					284513	4550	2608	2627	2646	2665		
43170 X124	REAL	ARRAY		REFS	8	1643352	813462	813518	813617	813816	813874	
					283953	813160	813217	813260	813298	813438	813499	
					284514	4551	2760	2779	2798	2817		
44050 X125	REAL	ARRAY		REFS	8	1643356	813464	813519	813619	813818	813876	
					283954	813162	813218	813261	813299	813439	813499	
					284515	4552	2912	2931	2950	2969		
44730 X126	REAL	ARRAY		REFS	8	1643360	813466	813520	813619	813818	813876	
					283955	813164	813219	813262	813300	813440	813499	
					284516	4553	3064	3083	3102	3121		

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VARIABLES	SM	TYPE	RELOCATION							
45610	X127	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683348	883460	483515	883615	883814
				284394	283952	884160	484217	484260	284298	484438
46470	X128	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
				284395	283953	884162	484218	484261	284299	484439
47350	X129	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
23610	X13	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
47570	X130	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
50010	X131	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
50230	X132	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
50450	X133	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
51330	X134	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
52210	X135	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
53070	X136	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
53750	X137	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
54630	X138	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
55510	X139	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
24470	X14	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
56370	X140	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
57250	X141	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
60130	X142	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
61010	X143	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
61670	X144	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
62550	X145	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
62770	X146	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
63210	X147	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
63430	X148	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
25350	X15	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
26230	X16	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
27110	X17	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
27770	X18	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816
30650	X19	REAL	ARRAY	284475	284513	DEFINED	2408	2627	2646	2665
				REFS	8	1683352	883462	483516	883617	883816

VARIABLES	SM	TYPE	RELOCATION							
21727 XM		REAL		284500	4537	DEFINED	936	955	974	993
				REFS	3187	3188	3190	3192	3194	283221
				3223	3224	3241	3248	3249	3250	3266
				3267	3268	3268	3268	3268	3268	3268
				3489	3490	3491	3492	3493	3494	3495
				3570	4072	4076	4077	4091	4092	4093
				4095	4096	4097	4098	4099	4100	4101
				4101	4102	4112	4113	4114	4115	4116
				4194	4213	4216	4217	4218	4219	4220
				4279	4280	4281	4282	4283	4284	4285
				4287	4288	4289	4290	4291	4292	4293
				4295	4296	4297	4298	4299	4300	4301
				4303	4304	4305	4306	4307	4308	4309
21723 XM		REAL		4311	DEFINED	3101	3985			
				REFS	3186	3192	3193	3194	3195	283221
				3223	3224	3228	3242	3243	3244	3255
				3267	3268	3269	3407	3412	3413	3414
				3489	3490	3491	3492	3493	3494	3495
				3570	3705	3708	3709	3723	3724	3725
				3727	3728	3729	3730	3731	3732	3733
				3735	3736	3737	3738	3739	3740	3741
				3848	3886	3890	3891	3892	3893	3894
				3933	3934	3935	3936	3937	3938	3939
				3941	3942	3943	3944	3945	3946	3947
				3949	3950	3951	3952	3953	3954	3955
				3957	3958	3959	3960	3961	3962	3963
21750 XQ		REAL		3965	DEFINED	3078				
				REFS	3250	3256	3257	3258	3259	3260
				3268	3269	3270	3409	3411	3413	3415
				3764	3765	3768	3769	3843	3846	3848
				4110	4111	4114	4115	4190	4192	4194
				4414	4415	4416	4417	4418	4419	4420
				4424	4425	4426	4427	4428	4429	4430
				4434	4435	4436	4437	4438	4439	4440
				4444	4445	4446	4447	4448	4449	4450
				4454	4455	4456	4457	4458	4459	4460
				4464	4465	4466	4467	4468	4469	4470
				4474	4475	4476	4477	4478	4479	4480
				4484	4485	4486	4487	4488	4489	4490
22001 XP		REAL		DEFINED	3125	3661	4003	4327		
				REFS	3239	3245	3247	3249	3251	3253
				3257	3259	3560	3564	3566	3568	3570
				3763	3765	3767	3769	3887	3889	3891
				4108	4111	4113	4115	4232	4235	4237
				4413	4415	4491	4492	4493	4494	4495
				4497	4498	4499	4500	4501	4502	4503
				4505	4506	4507	4508	4509	4510	4511
				4513	4514	4515	4516	4517	4518	4519
				4521	4522	4523	4524	4525	4526	4527
				DEFINED	3165	3558	3689	3757	4032	4070
22013 XQ		REAL		4371	REFS	3187	3188	3189	3192	3193
				3709	4073	4075	4077	4383	4384	4385
				4387	4388	4389	4390	4391	4392	4393
				4395	DEFINED	3185	3703	4046	4382	4394

FILE NAMES

MODE

STATEMENT LABELS

DEF LINE

REFERENCES

10	1		3066	3069		
20	2	INACTIVE	3067	3066		
27	3		3074	3069	3067	3070
16	4		3070	3066	3073	
31	5		3078	3071		
24	6		3074	3071		
0	7	INACTIVE	3072	3071		
1426	8		3069	3075	3077	
10575	100		3444	3095		
6377	2000		3489	3220	3237	
87	2001		3089	3077		
74	2002		3087	3089		
67	2226		3093	3089	3090	3096
0	2227	INACTIVE	3090	3089		
122	2334		3107	3117		
139	2335		3116	3107	3108	3116
131	2336		3111	3107		
0	2337	INACTIVE	3108	3107		
174	2444		3133	3136		
221	2445		3144	3133		
203	2446		3137	3133	3134	3146
0	2447	INACTIVE	3134	3133		

STATEMENT LABELS

DEF LINE

REFERENCES

20211	1557	*160	*169	
17675	2000	*175	*090	*10*
17161	2500	*212	*090	*10*
18018	4000	*105	*090	*10*
20187	4500	*152	*121	
14754	5000	*091	*090	
14560	5005	*072	*097	
20219	5500	*172	*182	*151
16445	6000	*189	*090	*10*
20346	6500	*197	*178	
20410	6750	*410	*196	*409
21124	6760	*451	*196	*403
21104	6770	*491	*196	*404
21464	6780	*529	*196	*409

*165

COMMON BLOCKS	LENGTH	MEMBERS	BIAS	NAME	LENGTH
PBS	18	0	18		18

STATISTICS

PROGRAM LENGTH	CM LABELED	COMMON LENGTH	CM USED
214508	218	26576	18

160	X	28171	24517	19152	50670	50280	49209	DECK18	159
	X	51746	51716	51710	55923	55920	55920	DECK18	160
	X	55923	55920	55920	55923	55920	55920	DECK18	161
	X	55923	55920	55920	55923	55920	55920	DECK18	162
	X	55923	55920	55920	55923	55920	55920	DECK18	163
	X	55923	55920	55920	55923	55920	55920	DECK18	164
165	DATA	(X)13	(J)KL=1	10817	00000	00000	00000	MOD1	165
	X	00000	00000	00000	00000	00000	00000	DECK18	166
	X	00000	00000	00000	00000	00000	00000	DECK18	167
	X	00000	00000	00000	00000	00000	00000	DECK18	168
	X	00000	00000	00000	00000	00000	00000	DECK18	169
170	X	00000	00000	00000	00000	00000	00000	DECK18	170
	X	00000	00000	00000	00000	00000	00000	DECK18	171
	X	00610	00509	00509	01252	01252	01252	DECK18	172
	X	01252	01252	01252	00219	00219	00219	DECK18	173
	X	01252	01252	01252	02559	02559	02559	DECK18	174
175	X	00000	00000	00000	00000	00000	00000	DECK18	175
	X	00000	00000	00000	00000	00000	00000	DECK18	176
	X	00000	00000	00000	01751	01751	01751	DECK18	177
	X	02559	02559	02559	02559	02559	02559	DECK18	178
	X	02559	02559	02559	02559	02559	02559	DECK18	179
180	X	00000	00000	00000	00000	00000	00000	DECK18	180
	X	00000	00000	00000	00000	00000	00000	DECK18	181
	X	00000	00000	00000	00000	00000	00000	DECK18	182
	X	00000	00000	00000	00000	00000	00000	DECK18	183
	X	00000	00000	00000	00000	00000	00000	DECK18	184
185	DATA	(X)13	(J)KL=109	21617	00000	00000	00000	MOD1	185
	X	00000	00000	00000	00000	00000	00000	DECK18	186
	X	00000	00000	00000	00000	00000	00000	DECK18	187
	X	00000	00000	00000	00000	00000	00000	DECK18	188
	X	00000	00000	00000	00000	00000	00000	DECK18	189
190	X	00000	00000	00000	00000	00000	00000	DECK18	190
	X	00000	00000	00000	00000	00000	00000	DECK18	191
	X	00000	00000	00000	00000	00000	00000	DECK18	192
	X	00000	00000	00000	00000	00000	00000	DECK18	193
	X	00000	00000	00000	00000	00000	00000	DECK18	194
195	X	00000	00000	00000	00000	00000	00000	DECK18	195
	X	00000	00000	00000	00000	00000	00000	DECK18	196
	X	00000	00000	00000	00000	00000	00000	DECK18	197
	X	00000	00000	00000	00000	00000	00000	DECK18	198
	X	00000	00000	00000	00000	00000	00000	DECK18	199
200	X	00000	00000	00000	00000	00000	00000	DECK18	200
	X	00000	00000	00000	00000	00000	00000	DECK18	201
	X	00000	00000	00000	00000	00000	00000	DECK18	202
	X	00000	00000	00000	00000	00000	00000	DECK18	203
	X	00000	00000	00000	00000	00000	00000	DECK18	204
205	DATA	(X)13	(J)KL=217	12417	07942	07942	07942	MOD1	205
	X	07942	07942	07942	07942	07942	07942	DECK18	206
	X	07942	07942	07942	07942	07942	07942	DECK18	207
	X	07942	07942	07942	07942	07942	07942	DECK18	208
	X	07942	07942	07942	07942	07942	07942	DECK18	209
	X	07942	07942	07942	07942	07942	07942	DECK18	210
210	X	07942	07942	07942	07942	07942	07942	DECK18	211
	X	07942	07942	07942	07942	07942	07942	DECK18	212
	X	07942	07942	07942	07942	07942	07942	DECK18	213
	X	07942	07942	07942	07942	07942	07942	DECK18	214
215	X	07942	07942	07942	07942	07942	07942	DECK18	215
	X	07942	07942	07942	07942	07942	07942	DECK18	216
	X	07942	07942	07942	07942	07942	07942	DECK18	217
	X	07942	07942	07942	07942	07942	07942	DECK18	218
	X	07942	07942	07942	07942	07942	07942	DECK18	219
220	X	07942	07942	07942	07942	07942	07942	DECK18	220
	X	07942	07942	07942	07942	07942	07942	DECK18	221
	X	07942	07942	07942	07942	07942	07942	DECK18	222
	X	07942	07942	07942	07942	07942	07942	DECK18	223
	X	07942	07942	07942	07942	07942	07942	DECK18	224
225	DATA	(X)13	(J)KL=325	12417	19847	19847	19847	MOD1	225
	X	19847	19847	19847	19847	19847	19847	DECK18	226
	X	19847	19847	19847	19847	19847	19847	DECK18	227
	X	19847	19847	19847	19847	19847	19847	DECK18	228
	X	19847	19847	19847	19847	19847	19847	DECK18	229
230	X	19847	19847	19847	19847	19847	19847	DECK18	230
	X	19847	19847	19847	19847	19847	19847	DECK18	231
	X	19847	19847	19847	19847	19847	19847	DECK18	232
	X	19847	19847	19847	19847	19847	19847	DECK18	233
	X	19847	19847	19847	19847	19847	19847	DECK18	234
235	X	19847	19847	19847	19847	19847	19847	DECK18	235
	X	19847	19847	19847	19847	19847	19847	DECK18	236
	X	19847	19847	19847	19847	19847	19847	DECK18	237
	X	19847	19847	19847	19847	19847	19847	DECK18	238
	X	19847	19847	19847	19847	19847	19847	DECK18	239


```

870      X = 000000. - 000000. - 000000. - 007800. - 007910. - 008020. - 008130. 870
      X = 001150. - 001150. - 001150. - 001150. - 001150. - 001150. - 001150. 871
      X = 002270. - 002270. - 002270. - 002270. - 002270. - 002270. - 002270. 872
      X = 003390. - 003390. - 003390. - 003390. - 003390. - 003390. - 003390. 873
875      X = 000000. - 000000. - 000000. - 000000. - 000000. - 000000. - 000000. 874
      X = 000001. - 000001. - 000001. - 000001. - 000001. - 000001. - 000001. 875
      X = 000002. - 000002. - 000002. - 000002. - 000002. - 000002. - 000002. 876
      X = 000003. - 000003. - 000003. - 000003. - 000003. - 000003. - 000003. 877
880      X = 000004. - 000004. - 000004. - 000004. - 000004. - 000004. - 000004. 878
      X = 000005. - 000005. - 000005. - 000005. - 000005. - 000005. - 000005. 879
      X = 000006. - 000006. - 000006. - 000006. - 000006. - 000006. - 000006. 880
      X = 000007. - 000007. - 000007. - 000007. - 000007. - 000007. - 000007. 881
885      X = 000008. - 000008. - 000008. - 000008. - 000008. - 000008. - 000008. 882
      X = 000009. - 000009. - 000009. - 000009. - 000009. - 000009. - 000009. 883
      X = 000010. - 000010. - 000010. - 000010. - 000010. - 000010. - 000010. 884
      X = 000011. - 000011. - 000011. - 000011. - 000011. - 000011. - 000011. 885
      DATA (X,ZEIJPL, JKL=217, J2417, J2417, J2417, J2417, J2417, J2417, J2417) 886
890      X = 002290. - 002290. - 002290. - 002290. - 002290. - 002290. - 002290. 887
      X = 002291. - 002291. - 002291. - 002291. - 002291. - 002291. - 002291. 888
      X = 002292. - 002292. - 002292. - 002292. - 002292. - 002292. - 002292. 889
      X = 002293. - 002293. - 002293. - 002293. - 002293. - 002293. - 002293. 890
895      X = 002294. - 002294. - 002294. - 002294. - 002294. - 002294. - 002294. 891
      X = 002295. - 002295. - 002295. - 002295. - 002295. - 002295. - 002295. 892
      X = 002296. - 002296. - 002296. - 002296. - 002296. - 002296. - 002296. 893
      X = 002297. - 002297. - 002297. - 002297. - 002297. - 002297. - 002297. 894
900      X = 002298. - 002298. - 002298. - 002298. - 002298. - 002298. - 002298. 895
      X = 002299. - 002299. - 002299. - 002299. - 002299. - 002299. - 002299. 896
      X = 002300. - 002300. - 002300. - 002300. - 002300. - 002300. - 002300. 897
      X = 002301. - 002301. - 002301. - 002301. - 002301. - 002301. - 002301. 898
905      X = 002302. - 002302. - 002302. - 002302. - 002302. - 002302. - 002302. 899
      X = 002303. - 002303. - 002303. - 002303. - 002303. - 002303. - 002303. 900
      X = 002304. - 002304. - 002304. - 002304. - 002304. - 002304. - 002304. 901
      X = 002305. - 002305. - 002305. - 002305. - 002305. - 002305. - 002305. 902
910      DATA (X,ZEIJPL, JKL=220, J2417, J2417, J2417, J2417, J2417, J2417, J2417) 903
      X = 001142. - 001142. - 001142. - 001142. - 001142. - 001142. - 001142. 904
      X = 001143. - 001143. - 001143. - 001143. - 001143. - 001143. - 001143. 905
      X = 001144. - 001144. - 001144. - 001144. - 001144. - 001144. - 001144. 906
      X = 001145. - 001145. - 001145. - 001145. - 001145. - 001145. - 001145. 907
915      X = 001146. - 001146. - 001146. - 001146. - 001146. - 001146. - 001146. 908
      X = 001147. - 001147. - 001147. - 001147. - 001147. - 001147. - 001147. 909
      X = 001148. - 001148. - 001148. - 001148. - 001148. - 001148. - 001148. 910
      X = 001149. - 001149. - 001149. - 001149. - 001149. - 001149. - 001149. 911
920      X = 001150. - 001150. - 001150. - 001150. - 001150. - 001150. - 001150. 912
      X = 001151. - 001151. - 001151. - 001151. - 001151. - 001151. - 001151. 913
      X = 001152. - 001152. - 001152. - 001152. - 001152. - 001152. - 001152. 914
      X = 001153. - 001153. - 001153. - 001153. - 001153. - 001153. - 001153. 915
925      DATA (X,ZEIJPL, JKL=221, J2417, J2417, J2417, J2417, J2417, J2417, J2417) 916
      X = 002306. - 002306. - 002306. - 002306. - 002306. - 002306. - 002306. 917
      X = 002307. - 002307. - 002307. - 002307. - 002307. - 002307. - 002307. 918
      X = 002308. - 002308. - 002308. - 002308. - 002308. - 002308. - 002308. 919
      X = 002309. - 002309. - 002309. - 002309. - 002309. - 002309. - 002309. 920
930      X = 002310. - 002310. - 002310. - 002310. - 002310. - 002310. - 002310. 921
      X = 002311. - 002311. - 002311. - 002311. - 002311. - 002311. - 002311. 922
      X = 002312. - 002312. - 002312. - 002312. - 002312. - 002312. - 002312. 923
      X = 002313. - 002313. - 002313. - 002313. - 002313. - 002313. - 002313. 924
935      DATA (X,ZEIJPL, JKL=222, J2417, J2417, J2417, J2417, J2417, J2417, J2417) 925
      X = 000000. - 000000. - 000000. - 000001. - 000001. - 000001. - 000001. 926
      X = 000001. - 000001. - 000001. - 000002. - 000002. - 000002. - 000002. 927
      X = 000002. - 000002. - 000002. - 000003. - 000003. - 000003. - 000003. 928
      X = 000003. - 000003. - 000003. - 000004. - 000004. - 000004. - 000004. 929
940      X = 000004. - 000004. - 000004. - 000005. - 000005. - 000005. - 000005. 930
      X = 000005. - 000005. - 000005. - 000006. - 000006. - 000006. - 000006. 931
      X = 000006. - 000006. - 000006. - 000007. - 000007. - 000007. - 000007. 932
      X = 000007. - 000007. - 000007. - 000008. - 000008. - 000008. - 000008. 933
945      X = 000008. - 000008. - 000008. - 000009. - 000009. - 000009. - 000009. 934
      X = 000009. - 000009. - 000009. - 000010. - 000010. - 000010. - 000010. 935
      X = 000010. - 000010. - 000010. - 000011. - 000011. - 000011. - 000011. 936
      X = 000011. - 000011. - 000011. - 000012. - 000012. - 000012. - 000012. 937
950      X = 000012. - 000012. - 000012. - 000013. - 000013. - 000013. - 000013. 938
      X = 000013. - 000013. - 000013. - 000014. - 000014. - 000014. - 000014. 939
      X = 000014. - 000014. - 000014. - 000015. - 000015. - 000015. - 000015. 940
      X = 000015. - 000015. - 000015. - 000016. - 000016. - 000016. - 000016. 941
955      DATA (X,ZEIJPL, JKL=223, J2417, J2417, J2417, J2417, J2417, J2417, J2417) 942
      X = 000000. - 000000. - 000000. - 000001. - 000001. - 000001. - 000001. 943
      X = 000001. - 000001. - 000001. - 000002. - 000002. - 000002. - 000002. 944
      X = 000002. - 000002. - 000002. - 000003. - 000003. - 000003. - 000003. 945
      X = 000003. - 000003. - 000003. - 000004. - 000004. - 000004. - 000004. 946

```


950	000001	000001	000001	188800	188873	188809	DECK:18	949
	188810	188873	188810	188870	188873	188810	DECK:18	950
	188873	188873	188873	188873	188873	188873	DECK:18	951
	000001	000001	000001	000002	000001	000001	DECK:18	952
955	201111	201111	201111	201111	201111	201111	DECK:18	953
	201111	201111	201111	201111	201111	201111	DECK:18	954
	000001	000001	000001	000001	000001	000001	DECK:18	955
	000002	000001	000001	000001	000001	000001	DECK:18	956
960	211772	211772	211772	211772	211772	211772	DECK:18	957
	211772	211772	211772	211772	211772	211772	DECK:18	958
	000001	000001	000001	000001	000001	000001	DECK:18	959
	000002	000001	000001	000002	000001	000001	DECK:18	960
965	DATA 188873 JKL 1 JKL 217	211772	211772	211772	211772	211772	DECK:18	961
	211772	211772	211772	211772	211772	211772	DECK:18	962
	000001	000001	000001	000002	000001	000001	DECK:18	963
	000001	000001	000001	000002	000001	000001	DECK:18	964
970	221111	221111	221111	221111	221111	221111	DECK:18	965
	221111	221111	221111	221111	221111	221111	DECK:18	966
	000001	000001	000001	000002	000001	000001	DECK:18	967
	000002	000001	000001	000002	000001	000001	DECK:18	968
975	231111	231111	231111	231111	231111	231111	DECK:18	969
	231111	231111	231111	231111	231111	231111	DECK:18	970
	000001	000001	000001	000002	000001	000001	DECK:18	971
	000002	000001	000001	000002	000001	000001	DECK:18	972
980	241111	241111	241111	241111	241111	241111	DECK:18	973
	241111	241111	241111	241111	241111	241111	DECK:18	974
	000001	000001	000001	000002	000001	000001	DECK:18	975
	000002	000001	000001	000002	000001	000001	DECK:18	976
985	251111	251111	251111	251111	251111	251111	DECK:18	977
	251111	251111	251111	251111	251111	251111	DECK:18	978
	000001	000001	000001	000002	000001	000001	DECK:18	979
	000002	000001	000001	000002	000001	000001	DECK:18	980
990	261111	261111	261111	261111	261111	261111	DECK:18	981
	261111	261111	261111	261111	261111	261111	DECK:18	982
	000001	000001	000001	000002	000001	000001	DECK:18	983
	000002	000001	000001	000002	000001	000001	DECK:18	984
995	271111	271111	271111	271111	271111	271111	DECK:18	985
	271111	271111	271111	271111	271111	271111	DECK:18	986
	000001	000001	000001	000002	000001	000001	DECK:18	987
	000002	000001	000001	000002	000001	000001	DECK:18	988
1000	281111	281111	281111	281111	281111	281111	DECK:18	989
	281111	281111	281111	281111	281111	281111	DECK:18	990
	000001	000001	000001	000002	000001	000001	DECK:18	991
	000002	000001	000001	000002	000001	000001	DECK:18	992
1005	291111	291111	291111	291111	291111	291111	DECK:18	993
	291111	291111	291111	291111	291111	291111	DECK:18	994
	000001	000001	000001	000002	000001	000001	DECK:18	995
	000002	000001	000001	000002	000001	000001	DECK:18	996
1010	301111	301111	301111	301111	301111	301111	DECK:18	997
	301111	301111	301111	301111	301111	301111	DECK:18	998
	000001	000001	000001	000002	000001	000001	DECK:18	999
	000002	000001	000001	000002	000001	000001	DECK:18	1000
1015	311111	311111	311111	311111	311111	311111	DECK:18	1001
	311111	311111	311111	311111	311111	311111	DECK:18	1002
	000001	000001	000001	000002	000001	000001	DECK:18	1003
	000002	000001	000001	000002	000001	000001	DECK:18	1004
1020	321111	321111	321111	321111	321111	321111	DECK:18	1005
	321111	321111	321111	321111	321111	321111	DECK:18	1006
	000001	000001	000001	000002	000001	000001	DECK:18	1007
	000002	000001	000001	000002	000001	000001	DECK:18	1008
1025	331111	331111	331111	331111	331111	331111	DECK:18	1009
	331111	331111	331111	331111	331111	331111	DECK:18	1010
	000001	000001	000001	000002	000001	000001	DECK:18	1011
	000002	000001	000001	000002	000001	000001	DECK:18	1012
1030	341111	341111	341111	341111	341111	341111	DECK:18	1013
	341111	341111	341111	341111	341111	341111	DECK:18	1014
	000001	000001	000001	000002	000001	000001	DECK:18	1015
	000002	000001	000001	000002	000001	000001	DECK:18	1016
1035	351111	351111	351111	351111	351111	351111	DECK:18	1017
	351111	351111	351111	351111	351111	351111	DECK:18	1018
	000001	000001	000001	000002	000001	000001	DECK:18	1019
	000002	000001	000001	000002	000001	000001	DECK:18	1020
1040	361111	361111	361111	361111	361111	361111	DECK:18	1021
	361111	361111	361111	361111	361111	361111	DECK:18	1022
	000001	000001	000001	000002	000001	000001	DECK:18	1023
	000002	000001	000001	000002	000001	000001	DECK:18	1024
1045	371111	371111	371111	371111	371111	371111	DECK:18	1025
	371111	371111	371111	371111	371111	371111	DECK:18	1026
	000001	000001	000001	000002	000001	000001	DECK:18	1027
	000002	000001	000001	000002	000001	000001	DECK:18	1028

	*	10876	10867	10859	00001	00001	00001	DECK18	1028
	*	00001	00001	00001	00001	00001	00001	DECK18	1029
1010	*	10181	10181	10181	10181	10181	10181	DECK18	1030
	*	11467	11464	11464	11760	11660	11610	DECK18	1031
	*	00001	00001	00001	00001	00001	00001	DECK18	1032
	*	00001	00001	00001	11113	11116	11112	DECK18	1033
1015	*	11112	11112	11112	11113	11116	11112	DECK18	1034
	*	11086	11086	11059	11086	11086	11086	DECK18	1035
	*	11091	11091	11091	00001	00001	00001	DECK18	1036
	*	00001	00001	00001	00001	00001	00001	DECK18	1037
		DATA (K16, JAL) JAL=217, 12317							1038
1040	*	11906	11819	11819	11906	11860	11816	DECK18	1040
	*	11906	11860	11819	11906	11860	11816	DECK18	1041
	*	12780	12672	12666	12780	12672	12666	DECK18	1042
	*	00001	00001	00001	00001	00001	00001	DECK18	1043
1045	*	13268	12663	12672	13268	12663	12672	DECK18	1045
	*	13268	13200	13194	13268	13200	13210	DECK18	1046
	*	00001	00001	00001	00001	00001	00001	DECK18	1047
	*	14946	13800	13743	14946	13801	13746	DECK18	1048
1050	*	14946	13802	13774	14946	13774	13721	DECK18	1049
	*	16724	13059	13059	16724	13059	13059	DECK18	1050
	*	00001	00001	00001	00001	00001	00001	DECK18	1051
	*	00001	00001	00001	16906	16906	16906	DECK18	1052
	*	16911	16906	16906	16911	16906	16906	DECK18	1053
1055	*	16911	16906	16906	16911	16906	16906	DECK18	1054
	*	00001	00001	00001	00001	00001	00001	DECK18	1055
	*	00001	00001	00001	00001	00001	00001	DECK18	1056
		DATA (K16, JAL) JAL=325, 2217							1057
1060	*	17051	16711	16711	17051	16711	16711	DECK18	1060
	*	17051	16711	16711	17051	16711	16711	DECK18	1061
	*	00001	00001	00001	00001	00001	00001	DECK18	1062
	*	00001	00001	00001	00001	00001	00001	DECK18	1063
1065	*	18672	16409	16409	18672	16409	16409	DECK18	1065
	*	18672	16409	16409	18672	16409	16409	DECK18	1066
	*	00001	00001	00001	00001	00001	00001	DECK18	1067
	*	00001	00001	00001	00001	00001	00001	DECK18	1068
	*	19301	16409	16409	19301	16409	16409	DECK18	1069
1070	*	19301	16409	16409	19301	16409	16409	DECK18	1070
	*	00001	00001	00001	00001	00001	00001	DECK18	1071
	*	00001	00001	00001	00001	00001	00001	DECK18	1072
	*	19301	16409	16409	19301	16409	16409	DECK18	1073
1075	*	19301	16409	16409	19301	16409	16409	DECK18	1074
	*	00001	00001	00001	00001	00001	00001	DECK18	1075
		DATA (K16, JAL) JAL=1, 10817							1076
1080	*	00000	00000	00000	00001	00001	00001	DECK18	1078
	*	00001	00001	00001	00000	00000	00000	DECK18	1079
	*	00001	00001	00001	00001	00001	00001	DECK18	1080
	*	00001	00001	00001	00000	00000	00000	DECK18	1081
	*	00001	00001	00001	02627	02612	02697	DECK18	1082
	*	01269	01269	01269	01269	01269	01269	DECK18	1083
1085	*	01269	01269	01269	01269	01269	01269	DECK18	1084
	*	02630	02630	02630	00000	00000	00000	DECK18	1085
	*	00001	00001	00001	00001	00001	00001	DECK18	1086
	*	00001	00001	00001	00001	00001	00001	DECK18	1087
	*	06734	06734	06734	06734	06734	06734	DECK18	1088
	*	06734	06734	06734	06734	06734	06734	DECK18	1089
1090	*	00000	00000	00000	00001	00001	00001	DECK18	1090
	*	00001	00001	00001	00001	00001	00001	DECK18	1091
	*	00001	00001	00001	00001	00001	00001	DECK18	1092
	*	06099	06099	06099	06099	06099	06099	DECK18	1093
	*	06099	06099	06099	06099	06099	06099	DECK18	1094
	*	06792	06792	06792	00001	00001	00001	DECK18	1095
1095	*	00001	00001	00001	00001	00001	00001	DECK18	1096
		DATA (K16, JAL) JAL=109, 21617							1097
	*	06134	06134	06134	06134	06134	06134	DECK18	1098
	*	06134	06134	06134	06134	06134	06134	DECK18	1099
1100	*	00001	00001	00001	00001	00001	00001	DECK18	1100
	*	00001	00001	00001	06142	06142	06142	DECK18	1101
	*	06142	06142	06142	06142	06142	06142	DECK18	1102
	*	07189	07189	07189	07189	07189	07189	DECK18	1103
	*	07189	07189	07189	00001	00001	00001	DECK18	1104
1105	*	00001	00001	00001	00001	00001	00001	DECK18	1105
	*	06655	06655	06655	06655	06655	06655	DECK18	1106


```
1265 X 03943 07368 02791 27704 26917 20112 DECK18 1265
      28846 28829 28139 48888 32929 37211/ DECK18 1265
      DATA 119 JKL JKL=217 11917/ MOD1 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 03481 01443 01414 DECK18 1265
1270 X 03444 03480 03490 03492 03493 03081 DECK18 1265
      29119 27717 22142 20178 19899 24491 DECK18 1265
X 03202 03212 03212 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 03418 03499 03499 03499 03499 03499 DECK18 1265
1275 X 03418 03499 03499 03499 03499 03499 DECK18 1265
      18213 18213 18213 20481 20498 21971 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 03418 03499 03499 DECK18 1265
1280 X 00000 00000 00000 03418 03499 03499 DECK18 1265
      11821 11821 11821 11821 11821 11821 DECK18 1265
X 1 03499 03499 03499 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
1285 X 00000 00000 00000 00000 00000 00000 DECK18 1265
      42770 42770 42770 42770 42770 42770 DECK18 1265
      DATA 119 JKL JKL=225 11917/ MOD1 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
1290 X 00000 00000 00000 00000 00000 00000 DECK18 1265
      33900 33900 33900 33900 33900 33900 DECK18 1265
X 1 71805 66759 34129 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
1295 X 00000 00000 00000 00000 00000 00000 DECK18 1265
      14911 14911 14911 14911 14911 14911 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
1300 X 00000 00000 00000 00000 00000 00000 DECK18 1265
      10929 10929 10929 10929 10929 10929 DECK18 1265
X 2 39621 39621 39621 39621 39621 39621 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
1305 X 00000 00000 00000 00000 00000 00000 DECK18 1265
      08122 08122 08122 08122 08122 08122 DECK18 1265
X 1 24604 07349 03931 11972 11972 11972 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
      DATA 119 JKL JKL=1 10917/ MOD1 1265
X 00002 00001 00001 00001 00001 00001 DECK18 1265
X 12221 12216 11671 00001 00001 00001 DECK18 1265
X 11859 11802 10199 11859 11802 10199 DECK18 1265
1310 X 00001 00001 00001 00001 00001 00001 DECK18 1265
      12222 12217 11671 00001 00001 00001 DECK18 1265
X 05011 04876 04391 04876 04391 04876 DECK18 1265
X 03719 03719 03719 03719 03719 03719 DECK18 1265
X 08614 08614 08614 08614 08614 08614 DECK18 1265
1315 X 12999 12999 11616 13302 13302 12416 DECK18 1265
X 01221 01119 00910 01379 01379 01218 DECK18 1265
X 01417 01417 01417 01417 01417 01417 DECK18 1265
X 00449 00449 00449 00449 00449 00449 DECK18 1265
X 07822 07822 07822 07822 07822 07822 DECK18 1265
1320 X 16229 14214 11496 00191 00191 00191 DECK18 1265
X 00197 00197 00197 00197 00197 00197 DECK18 1265
X 04844 04844 04844 04844 04844 04844 DECK18 1265
X 03154 03154 03154 03154 03154 03154 DECK18 1265
X 15055 15055 15055 15055 15055 15055 DECK18 1265
      DATA 119 JKL JKL=109 11917/ MOD1 1265
1325 X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 01597 01587 01429 01597 01597 01597 DECK18 1265
X 17885 17885 17885 17885 17885 17885 DECK18 1265
X 16884 16884 16884 16884 16884 16884 DECK18 1265
1330 X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
1335 X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
1340 X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
X 00000 00000 00000 00000 00000 00000 DECK18 1265
      DATA 119 JKL JKL=217 11917/ MOD1 1265
```


*150

155

1940

244

1190

1276

1700

1206

110

1395

1002

1406

1010

1095

1420

	X	47551	08404	00000	47577	08404	00000	DECK18	1581
	X	47552	08407	00000	47578	08407	00000	DECK18	1582
	X	47553	08410	00000	47579	08410	00000	DECK18	1583
1585	X	47554	08413	00000	47580	08413	00000	DECK18	1584
	X	47555	08416	00000	47581	08416	00000	DECK18	1585
	X	47556	08419	00000	47582	08419	00000	DECK18	1586
	X	47557	08422	00000	47583	08422	00000	DECK18	1587
	X	47558	08425	00000	47584	08425	00000	DECK18	1588
1590	X	47559	08428	00000	47585	08428	00000	DECK18	1589
	X	47560	08431	00000	47586	08431	00000	DECK18	1590
	X	47561	08434	00000	47587	08434	00000	DECK18	1591
	X	47562	08437	00000	47588	08437	00000	DECK18	1592
1595	X	47563	08440	00000	47589	08440	00000	DECK18	1593
	X	47564	08443	00000	47590	08443	00000	DECK18	1594
	X	47565	08446	00000	47591	08446	00000	DECK18	1595
	X	47566	08449	00000	47592	08449	00000	DECK18	1596
	X	47567	08452	00000	47593	08452	00000	DECK18	1597
1600	X	47568	08455	00000	47594	08455	00000	DECK18	1598
	X	47569	08458	00000	47595	08458	00000	DECK18	1599
	X	47570	08461	00000	47596	08461	00000	DECK18	1600
	X	47571	08464	00000	47597	08464	00000	DECK18	1601
	X	47572	08467	00000	47598	08467	00000	DECK18	1602
1605	X	47573	08470	00000	47599	08470	00000	DECK18	1603
	X	47574	08473	00000	47600	08473	00000	DECK18	1604
	X	47575	08476	00000	47601	08476	00000	DECK18	1605
	X	47576	08479	00000	47602	08479	00000	DECK18	1606
	X	47577	08482	00000	47603	08482	00000	DECK18	1607
	X	47578	08485	00000	47604	08485	00000	DECK18	1608
1610	X	47579	08488	00000	47605	08488	00000	DECK18	1609
	X	47580	08491	00000	47606	08491	00000	DECK18	1610
	X	47581	08494	00000	47607	08494	00000	DECK18	1611
	X	47582	08497	00000	47608	08497	00000	DECK18	1612
1615	X	47583	08500	00000	47609	08500	00000	DECK18	1613
	X	47584	08503	00000	47610	08503	00000	DECK18	1614
	X	47585	08506	00000	47611	08506	00000	DECK18	1615
	X	47586	08509	00000	47612	08509	00000	DECK18	1616
	X	47587	08512	00000	47613	08512	00000	DECK18	1617
	X	47588	08515	00000	47614	08515	00000	DECK18	1618
1620	X	47589	08518	00000	47615	08518	00000	DECK18	1619
	X	47590	08521	00000	47616	08521	00000	DECK18	1620
	X	47591	08524	00000	47617	08524	00000	DECK18	1621
	X	47592	08527	00000	47618	08527	00000	DECK18	1622
	X	47593	08530	00000	47619	08530	00000	DECK18	1623
	X	47594	08533	00000	47620	08533	00000	DECK18	1624
1625	X	47595	08536	00000	47621	08536	00000	DECK18	1625
	X	47596	08539	00000	47622	08539	00000	DECK18	1626
	X	47597	08542	00000	47623	08542	00000	DECK18	1627
	X	47598	08545	00000	47624	08545	00000	DECK18	1628
	X	47599	08548	00000	47625	08548	00000	DECK18	1629
1630	X	47600	08551	00000	47626	08551	00000	DECK18	1630
	X	47601	08554	00000	47627	08554	00000	DECK18	1631
	X	47602	08557	00000	47628	08557	00000	DECK18	1632
	X	47603	08560	00000	47629	08560	00000	DECK18	1633
1635	X	47604	08563	00000	47630	08563	00000	DECK18	1634
	X	47605	08566	00000	47631	08566	00000	DECK18	1635
	X	47606	08569	00000	47632	08569	00000	DECK18	1636
	X	47607	08572	00000	47633	08572	00000	DECK18	1637
	X	47608	08575	00000	47634	08575	00000	DECK18	1638
	X	47609	08578	00000	47635	08578	00000	DECK18	1639
1640	X	47610	08581	00000	47636	08581	00000	DECK18	1640
	X	47611	08584	00000	47637	08584	00000	DECK18	1641
	X	47612	08587	00000	47638	08587	00000	DECK18	1642
	X	47613	08590	00000	47639	08590	00000	DECK18	1643
	X	47614	08593	00000	47640	08593	00000	DECK18	1644
1645	X	47615	08596	00000	47641	08596	00000	DECK18	1645
	X	47616	08599	00000	47642	08599	00000	DECK18	1646
	X	47617	08602	00000	47643	08602	00000	DECK18	1647
	X	47618	08605	00000	47644	08605	00000	DECK18	1648
	X	47619	08608	00000	47645	08608	00000	DECK18	1649
	X	47620	08611	00000	47646	08611	00000	DECK18	1650
1650	X	47621	08614	00000	47647	08614	00000	DECK18	1651
	X	47622	08617	00000	47648	08617	00000	DECK18	1652
	X	47623	08620	00000	47649	08620	00000	DECK18	1653
	X	47624	08623	00000	47650	08623	00000	DECK18	1654
	X	47625	08626	00000	47651	08626	00000	DECK18	1655
1655	X	47626	08629	00000	47652	08629	00000	DECK18	1656
	X	47627	08632	00000	47653	08632	00000	DECK18	1657
	X	47628	08635	00000	47654	08635	00000	DECK18	1658
	X	47629	08638	00000	47655	08638	00000	DECK18	1659
	X	47630	08641	00000	47656	08641	00000	DECK18	1660

	X	47541	08404	00000	47577	08404	00000	DECR18	1581
	X	47542	08405	00000	47578	08405	00000	DECR18	1582
	X	47543	08406	00000	47579	08406	00000	DECR18	1583
1585	X	47544	08407	00000	47580	08407	00000	DECR18	1584
	X	47545	08408	00000	47581	08408	00000	DECR18	1585
	X	47546	08409	00000	47582	08409	00000	DECR18	1586
	X	47547	08410	00000	47583	08410	00000	DECR18	1587
1590	X	47548	08411	00000	47584	08411	00000	DECR18	1588
	X	47549	08412	00000	47585	08412	00000	DECR18	1589
	X	47550	08413	00000	47586	08413	00000	DECR18	1590
	X	47551	08414	00000	47587	08414	00000	DECR18	1591
	X	47552	08415	00000	47588	08415	00000	DECR18	1592
1595	X	47553	08416	00000	47589	08416	00000	DECR18	1593
	X	47554	08417	00000	47590	08417	00000	DECR18	1594
	X	47555	08418	00000	47591	08418	00000	DECR18	1595
	X	47556	08419	00000	47592	08419	00000	DECR18	1596
1600	X	47557	08420	00000	47593	08420	00000	DECR18	1597
	X	47558	08421	00000	47594	08421	00000	DECR18	1598
	X	47559	08422	00000	47595	08422	00000	DECR18	1599
	X	47560	08423	00000	47596	08423	00000	DECR18	1600
	X	47561	08424	00000	47597	08424	00000	DECR18	1601
	X	47562	08425	00000	47598	08425	00000	DECR18	1602
1605	X	47563	08426	00000	47599	08426	00000	DECR18	1603
	X	47564	08427	00000	47600	08427	00000	DECR18	1604
	X	47565	08428	00000	47601	08428	00000	DECR18	1605
	X	47566	08429	00000	47602	08429	00000	DECR18	1606
	X	47567	08430	00000	47603	08430	00000	DECR18	1607
1610	X	47568	08431	00000	47604	08431	00000	DECR18	1608
	X	47569	08432	00000	47605	08432	00000	DECR18	1609
	X	47570	08433	00000	47606	08433	00000	DECR18	1610
	X	47571	08434	00000	47607	08434	00000	DECR18	1611
1615	X	47572	08435	00000	47608	08435	00000	DECR18	1612
	X	47573	08436	00000	47609	08436	00000	DECR18	1613
	X	47574	08437	00000	47610	08437	00000	DECR18	1614
	X	47575	08438	00000	47611	08438	00000	DECR18	1615
	X	47576	08439	00000	47612	08439	00000	DECR18	1616
1620	X	47577	08440	00000	47613	08440	00000	DECR18	1617
	X	47578	08441	00000	47614	08441	00000	DECR18	1618
	X	47579	08442	00000	47615	08442	00000	DECR18	1619
	X	47580	08443	00000	47616	08443	00000	DECR18	1620
	X	47581	08444	00000	47617	08444	00000	DECR18	1621
1625	X	47582	08445	00000	47618	08445	00000	DECR18	1622
	X	47583	08446	00000	47619	08446	00000	DECR18	1623
	X	47584	08447	00000	47620	08447	00000	DECR18	1624
	X	47585	08448	00000	47621	08448	00000	DECR18	1625
1630	X	47586	08449	00000	47622	08449	00000	DECR18	1626
	X	47587	08450	00000	47623	08450	00000	DECR18	1627
	X	47588	08451	00000	47624	08451	00000	DECR18	1628
	X	47589	08452	00000	47625	08452	00000	DECR18	1629
1635	X	47590	08453	00000	47626	08453	00000	DECR18	1630
	X	47591	08454	00000	47627	08454	00000	DECR18	1631
	X	47592	08455	00000	47628	08455	00000	DECR18	1632
	X	47593	08456	00000	47629	08456	00000	DECR18	1633
1640	X	47594	08457	00000	47630	08457	00000	DECR18	1634
	X	47595	08458	00000	47631	08458	00000	DECR18	1635
	X	47596	08459	00000	47632	08459	00000	DECR18	1636
	X	47597	08460	00000	47633	08460	00000	DECR18	1637
1645	X	47598	08461	00000	47634	08461	00000	DECR18	1638
	X	47599	08462	00000	47635	08462	00000	DECR18	1639
	X	47600	08463	00000	47636	08463	00000	DECR18	1640
	X	47601	08464	00000	47637	08464	00000	DECR18	1641
1650	X	47602	08465	00000	47638	08465	00000	DECR18	1642
	X	47603	08466	00000	47639	08466	00000	DECR18	1643
	X	47604	08467	00000	47640	08467	00000	DECR18	1644
1655	X	47605	08468	00000	47641	08468	00000	DECR18	1645
	X	47606	08469	00000	47642	08469	00000	DECR18	1646
	X	47607	08470	00000	47643	08470	00000	DECR18	1647
	X	47608	08471	00000	47644	08471	00000	DECR18	1648
	X	47609	08472	00000	47645	08472	00000	DECR18	1649

1660	M	1	74403.	86781.	87723.	72174.	87188.	74571.	00000.	DECK18	1660
	M		39678.	10400.	91163.	80124.	10886.	00000.	00000.	DECK18	1661
	M		40408.	10400.	00000.	80404.	10871.	00000.	00000.	DECK18	1662
	M		82281.	91163.	87723.	72174.	87188.	74571.	00000.	DECK18	1663
1665	M	1	02193.	47312.	33188.	37378.	71081.	83048.	00000.	DECK18	1664
	M		98248.	90778.	76492.	1	50437.	1	08372.	DECK18	1665
	M		DATA (K1231JL)	JL=228.	52217.					ROOT	89
	M		72174.	10400.	00000.	72174.	12817.	00000.	00000.	DECK18	1667
	M		72174.	10400.	00000.	72174.	12817.	00000.	00000.	DECK18	1668
1670	M	1	70432.	47312.	33188.	1	01800.	1	08080.	DECK18	1669
	M		81978.	74403.	86781.	1	01800.	1	08080.	DECK18	1670
	M		81978.	74403.	86781.	1	01800.	1	08080.	DECK18	1671
	M		81978.	74403.	86781.	1	01800.	1	08080.	DECK18	1672
1675	M	1	03888.	74403.	86781.	1	01800.	1	08080.	DECK18	1673
	M		00000.	18109.	00000.	1	01800.	1	08080.	DECK18	1674
	M		00000.	18109.	00000.	1	01800.	1	08080.	DECK18	1675
	M		00000.	18109.	00000.	1	01800.	1	08080.	DECK18	1676
1680	M	1	00817.	47312.	33188.	1	01800.	1	08080.	DECK18	1677
	M		89401.	47312.	33188.	1	01800.	1	08080.	DECK18	1678
	M		10000.	47312.	33188.	1	01800.	1	08080.	DECK18	1679
1685	M	1	07378.	10400.	00000.	1	01800.	1	08080.	DECK18	1680
	M		17432.	10400.	00000.	1	01800.	1	08080.	DECK18	1681
	M		66182.	47312.	33188.	1	00748.	1	00000.	DECK18	1682
	M		01188.	80724.	86781.	1	00748.	1	00000.	DECK18	1683
	M		11288.	80724.	86781.	1	00748.	1	00000.	DECK18	1684
1685	M		DATA (K122(JL)	JL=1	10817.					ROOT	89
	M		42394.	38734.	21408.	80124.	74523.	71220.	00000.	DECK18	1686
	M		97012.	38734.	21408.	80124.	74523.	71220.	00000.	DECK18	1687
	M		80124.	74523.	71220.	80124.	74523.	71220.	00000.	DECK18	1688
1690	M	1	42394.	38734.	21408.	80124.	74523.	71220.	00000.	DECK18	1689
	M		97012.	38734.	21408.	80124.	74523.	71220.	00000.	DECK18	1690
	M		80124.	74523.	71220.	80124.	74523.	71220.	00000.	DECK18	1691
	M		42394.	38734.	21408.	80124.	74523.	71220.	00000.	DECK18	1692
1695	M	1	81197.	81701.	77481.	1	01800.	1	08080.	DECK18	1693
	M		87172.	81701.	77481.	1	01800.	1	08080.	DECK18	1694
	M		17072.	81701.	77481.	1	01800.	1	08080.	DECK18	1695
	M		21748.	81701.	77481.	1	01800.	1	08080.	DECK18	1696
	M		61832.	81701.	77481.	1	01800.	1	08080.	DECK18	1697
	M		61760.	81701.	77481.	1	01800.	1	08080.	DECK18	1698
1700	M	1	11471.	10888.	01888.	02488.	02488.	01888.	00000.	DECK18	1699
	M		04052.	04748.	02488.	02488.	02488.	01888.	00000.	DECK18	1700
	M		31018.	28844.	22411.	18118.	37010.	32789.	00000.	DECK18	1701
	M		43671.	42211.	38801.	71008.	64301.	61166.	00000.	DECK18	1702
	M		01888.	92288.	87887.	1	18212.	1	08912.	DECK18	1703
	M		DATA (K122(JL)	JL=109.	21817.					ROOT	90
1705	M		00160.	00197.	00223.	00482.	00117.	00237.	00000.	DECK18	1704
	M		00848.	00112.	00140.	21111.	19730.	15919.	00000.	DECK18	1705
	M		21488.	21817.	00140.	21111.	19730.	15919.	00000.	DECK18	1706
	M		80108.	71017.	87408.	1	08870.	1	08017.	DECK18	1707
1710	M	1	16071.	12215.	13484.	00000.	00000.	00000.	00000.	DECK18	1708
	M		00000.	00000.	00000.	00000.	00000.	00000.	00000.	DECK18	1709
	M		12202.	11776.	02129.	13878.	17788.	10787.	00000.	DECK18	1710
	M		16083.	12215.	13484.	00000.	00000.	00000.	00000.	DECK18	1711
	M		16621.	12215.	13484.	00000.	00000.	00000.	00000.	DECK18	1712
1715	M	1	00140.	00000.	00000.	00140.	00000.	00000.	00000.	DECK18	1713
	M		14802.	12215.	13484.	00000.	00000.	00000.	00000.	DECK18	1714
	M		98081.	89942.	87402.	1	22237.	1	18492.	DECK18	1715
	M		17907.	12215.	13484.	00000.	00000.	00000.	00000.	DECK18	1716
	M		00202.	00011.	00000.	00202.	00011.	00000.	00000.	DECK18	1717
1720	M		14028.	12078.	10788.	18242.	14710.	11810.	00000.	DECK18	1718
	M		16983.	12078.	10788.	18242.	14710.	11810.	00000.	DECK18	1719
	M		28844.	12431.	04074.	1	44011.	1	39790.	DECK18	1720
	M		DATA (K122(JL)	JL=217.	12817.					ROOT	91
1725	M		00297.	00019.	00000.	00297.	00019.	00000.	00000.	DECK18	1721
	M		00019.	00019.	00000.	14907.	12817.	10817.	00000.	DECK18	1722
	M		16261.	15052.	12288.	17912.	16122.	13412.	00000.	DECK18	1723
	M		17289.	08872.	02267.	1	19248.	1	10228.	DECK18	1724
	M		00000.	42147.	10417.	00000.	00028.	00000.	00000.	DECK18	1725
1730	M		00016.	00026.	00000.	00016.	00026.	00000.	00000.	DECK18	1726
	M		15774.	14844.	11166.	17340.	16723.	12746.	00000.	DECK18	1727
	M		18891.	14844.	11166.	17340.	16723.	12746.	00000.	DECK18	1728
	M		11166.	14844.	11166.	17340.	16723.	12746.	00000.	DECK18	1729
	M		00044.	00011.	00000.	00044.	00011.	00000.	00000.	DECK18	1730
	M		00044.	00011.	00000.	00044.	00011.	00000.	00000.	DECK18	1731
	M		00044.	00011.	00000.	00044.	00011.	00000.	00000.	DECK18	1732
1735	M	1	17908.	16730.	12188.	17908.	16730.	12188.	00000.	DECK18	1733
	M		28879.	16730.	12188.	17908.	16730.	12188.	00000.	DECK18	1734
	M		61078.	16730.	12188.	17908.	16730.	12188.	00000.	DECK18	1735
	M		00756.	00047.	00000.	00756.	00047.	00000.	00000.	DECK18	1736


```

2375  X - 31558. - 31558. - 31558. - 00000. - 00000. - 00000. - 00000.
      X - 14798. - 14798. - 14798. - 14798. - 14798. - 14798. - 14798.
      X - 00000. - 00000. - 00000. - 00000. - 00000. - 00000. - 00000.
      X - 10748. - 10748. - 10748. - 10748. - 10748. - 10748. - 10748.
      X - 00600. - 00600. - 00600. - 00600. - 00600. - 00600. - 00600.
      X - 29022. - 29022. - 29022. - 29022. - 29022. - 29022. - 29022.
      X - 18188. - 18188. - 18188. - 18188. - 18188. - 18188. - 18188.
      X - 04082. - 04082. - 04082. - 04082. - 04082. - 04082. - 04082.
2380  X - 06016. - 06016. - 06016. - 06016. - 06016. - 06016. - 06016.
      X - 13555. - 13555. - 13555. - 13555. - 13555. - 13555. - 13555.
      X - 01023. - 01023. - 01023. - 01023. - 01023. - 01023. - 01023.
      X - 37870. - 37870. - 37870. - 37870. - 37870. - 37870. - 37870.
      X - 04189. - 04189. - 04189. - 04189. - 04189. - 04189. - 04189.
2385  X - 01070. - 01070. - 01070. - 01070. - 01070. - 01070. - 01070.
      X - 15230. - 15230. - 15230. - 15230. - 15230. - 15230. - 15230.
      X - 14860. - 14860. - 14860. - 14860. - 14860. - 14860. - 14860.
      DATA X(10),J(1),J(1)=109.
2390  X - 09403. - 09403. - 09403. - 09403. - 09403. - 09403. - 09403.
      X - 09403. - 09403. - 09403. - 09403. - 09403. - 09403. - 09403.
      X - 09258. - 09258. - 09258. - 09258. - 09258. - 09258. - 09258.
      X - 08182. - 08182. - 08182. - 08182. - 08182. - 08182. - 08182.
2395  X - 15374. - 15374. - 15374. - 15374. - 15374. - 15374. - 15374.
      X - 01188. - 01188. - 01188. - 01188. - 01188. - 01188. - 01188.
      X - 00199. - 00199. - 00199. - 00199. - 00199. - 00199. - 00199.
      X - 11291. - 11291. - 11291. - 11291. - 11291. - 11291. - 11291.
      X - 18703. - 18703. - 18703. - 18703. - 18703. - 18703. - 18703.
2400  X - 18717. - 18717. - 18717. - 18717. - 18717. - 18717. - 18717.
      X - 30191. - 30191. - 30191. - 30191. - 30191. - 30191. - 30191.
      X - 16405. - 16405. - 16405. - 16405. - 16405. - 16405. - 16405.
      X - 50599. - 50599. - 50599. - 50599. - 50599. - 50599. - 50599.
      X - 33264. - 33264. - 33264. - 33264. - 33264. - 33264. - 33264.
2405  X - 01456. - 01456. - 01456. - 01456. - 01456. - 01456. - 01456.
      X - 01436. - 01436. - 01436. - 01436. - 01436. - 01436. - 01436.
      X - 17811. - 17811. - 17811. - 17811. - 17811. - 17811. - 17811.
      DATA X(11),J(1),J(1)=217.
2410  X - 29267. - 29267. - 29267. - 29267. - 29267. - 29267. - 29267.
      X - 29193. - 29193. - 29193. - 29193. - 29193. - 29193. - 29193.
      X - 00732. - 00732. - 00732. - 00732. - 00732. - 00732. - 00732.
      X - 11612. - 11612. - 11612. - 11612. - 11612. - 11612. - 11612.
2415  X - 66010. - 66010. - 66010. - 66010. - 66010. - 66010. - 66010.
      X - 17482. - 17482. - 17482. - 17482. - 17482. - 17482. - 17482.
      X - 00271. - 00271. - 00271. - 00271. - 00271. - 00271. - 00271.
      X - 03260. - 03260. - 03260. - 03260. - 03260. - 03260. - 03260.
      X - 44168. - 44168. - 44168. - 44168. - 44168. - 44168. - 44168.
2420  X - 47940. - 47940. - 47940. - 47940. - 47940. - 47940. - 47940.
      X - 4792. - 4792. - 4792. - 4792. - 4792. - 4792. - 4792.
      X - 01788. - 01788. - 01788. - 01788. - 01788. - 01788. - 01788.
      X - 10618. - 10618. - 10618. - 10618. - 10618. - 10618. - 10618.
      X - 63117. - 63117. - 63117. - 63117. - 63117. - 63117. - 63117.
2425  X - 61288. - 61288. - 61288. - 61288. - 61288. - 61288. - 61288.
      X - 00898. - 00898. - 00898. - 00898. - 00898. - 00898. - 00898.
      X - 02744. - 02744. - 02744. - 02744. - 02744. - 02744. - 02744.
      X - 60492. - 60492. - 60492. - 60492. - 60492. - 60492. - 60492.
      DATA X(12),J(1),J(1)=325.
2430  X - 77960. - 77960. - 77960. - 77960. - 77960. - 77960. - 77960.
      X - 78008. - 78008. - 78008. - 78008. - 78008. - 78008. - 78008.
      X - 02751. - 02751. - 02751. - 02751. - 02751. - 02751. - 02751.
      X - 17612. - 17612. - 17612. - 17612. - 17612. - 17612. - 17612.
2435  X - 19449. - 19449. - 19449. - 19449. - 19449. - 19449. - 19449.
      X - 98598. - 98598. - 98598. - 98598. - 98598. - 98598. - 98598.
      X - 01950. - 01950. - 01950. - 01950. - 01950. - 01950. - 01950.
      X - 03770. - 03770. - 03770. - 03770. - 03770. - 03770. - 03770.
2440  X - 56806. - 56806. - 56806. - 56806. - 56806. - 56806. - 56806.
      X - 12171. - 12171. - 12171. - 12171. - 12171. - 12171. - 12171.
      X - 23187. - 23187. - 23187. - 23187. - 23187. - 23187. - 23187.
      X - 01578. - 01578. - 01578. - 01578. - 01578. - 01578. - 01578.
2445  X - 41987. - 41987. - 41987. - 41987. - 41987. - 41987. - 41987.
      X - 75933. - 75933. - 75933. - 75933. - 75933. - 75933. - 75933.
      X - 54119. - 54119. - 54119. - 54119. - 54119. - 54119. - 54119.
      X - 03294. - 03294. - 03294. - 03294. - 03294. - 03294. - 03294.
      X - 03218. - 03218. - 03218. - 03218. - 03218. - 03218. - 03218.
      X - 53111. - 53111. - 53111. - 53111. - 53111. - 53111. - 53111.
      DATA X(13),J(1),J(1)=1.
2450  X - 00000. - 00000. - 00000. - 00000. - 00000. - 00000. - 00000.
      X - 10121. - 10121. - 10121. - 10121. - 10121. - 10121. - 10121.
      X - 14466. - 14466. - 14466. - 14466. - 14466. - 14466. - 14466.
      X - 00000. - 00000. - 00000. - 00000. - 00000. - 00000. - 00000.

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	J=019K134(KZP1)+010K134(KZP18)+011K134(KZP18)+022K134(KZP148)	DEC K18	1002
	TJ=7B3+07K134(KZ2)+008K134(KZ4)+009K134(KZ2)+010K134(KZ2)	DEC K18	1003
1005	1+011K134(KZP1)+012K134(KZP8)+013K134(KZP8)+014K134(KZP8)	DEC K18	1004
	TJ=7B4+07K134(KZ2)+008K134(KZ4)+009K134(KZ2)+010K134(KZ2)	DEC K18	1005
	1+011K134(KZP1)+012K134(KZP8)+013K134(KZP8)+014K134(KZP8)	DEC K18	1006
1010	J=019K134(KZP1)+010K134(KZP18)+011K134(KZP18)+022K134(KZP148)	DEC K18	1007
	TJ=7B4+07K134(KZ2)+008K134(KZ4)+009K134(KZ2)+010K134(KZ2)	DEC K18	1008
	1+011K134(KZP1)+012K134(KZP8)+013K134(KZP8)+014K134(KZP8)	DEC K18	1009
	J=019K134(KZP1)+010K134(KZP18)+011K134(KZP18)+022K134(KZP148)	DEC K18	1010
	GO TO 704	DEC K18	1011
100	01+1 -X0	DEC K18	1012
	02+1 -X1	DEC K18	1013
1015	03+1 -X2	DEC K18	1014
	04+02202803	DEC K18	1015
	05+022032X0	DEC K18	1016
	06+012032X1	DEC K18	1017
	07+032X08X1	DEC K18	1018
1020	08+012028X0	DEC K18	1019
	09+022X08X0	DEC K18	1020
	010+012X18X0	DEC K18	1021
	011+008X18X0	DEC K18	1022
1025	T1+51+04K11(KZ1)+05K11(KZ2)+06K11(KZP1)+07K11(KZP8)	DEC K18	1023
	1+08K11(KZ1)+09K11(KZ18)+010K11(KZP1)+011K11(KZP18)	DEC K18	1024
	T1+52+04K12(KZ1)+05K12(KZ2)+06K12(KZP1)+07K12(KZP8)	DEC K18	1025
	1+08K12(KZ1)+09K12(KZ18)+010K12(KZP1)+011K12(KZP18)	DEC K18	1026
	T1+53+04K13(KZ1)+05K13(KZ2)+06K13(KZP1)+07K13(KZP8)	DEC K18	1027
	1+08K13(KZ1)+09K13(KZ18)+010K13(KZP1)+011K13(KZP18)	DEC K18	1028
1030	T1+54+04K14(KZ1)+05K14(KZ2)+06K14(KZP1)+07K14(KZP8)	DEC K18	1029
	1+08K14(KZ1)+09K14(KZ18)+010K14(KZP1)+011K14(KZP18)	DEC K18	1030
	T1+55+04K15(KZ1)+05K15(KZ2)+06K15(KZP1)+07K15(KZP8)	DEC K18	1031
	1+08K15(KZ1)+09K15(KZ18)+010K15(KZP1)+011K15(KZP18)	DEC K18	1032
	T1+56+04K16(KZ1)+05K16(KZ2)+06K16(KZP1)+07K16(KZP8)	DEC K18	1033
	1+08K16(KZ1)+09K16(KZ18)+010K16(KZP1)+011K16(KZP18)	DEC K18	1034
1035	T1+57+04K17(KZ1)+05K17(KZ2)+06K17(KZP1)+07K17(KZP8)	DEC K18	1035
	1+08K17(KZ1)+09K17(KZ18)+010K17(KZP1)+011K17(KZP18)	DEC K18	1036
	T1+58+04K18(KZ1)+05K18(KZ2)+06K18(KZP1)+07K18(KZP8)	DEC K18	1037
	1+08K18(KZ1)+09K18(KZ18)+010K18(KZP1)+011K18(KZP18)	DEC K18	1038
1040	T1+59+04K19(KZ1)+05K19(KZ2)+06K19(KZP1)+07K19(KZP8)	DEC K18	1039
	1+08K19(KZ1)+09K19(KZ18)+010K19(KZP1)+011K19(KZP18)	DEC K18	1040
	T1+60+04K20(KZ1)+05K20(KZ2)+06K20(KZP1)+07K20(KZP8)	DEC K18	1041
	1+08K20(KZ1)+09K20(KZ18)+010K20(KZP1)+011K20(KZP18)	DEC K18	1042
1045	T1+61+04K21(KZ1)+05K21(KZ2)+06K21(KZP1)+07K21(KZP8)	DEC K18	1043
	1+08K21(KZ1)+09K21(KZ18)+010K21(KZP1)+011K21(KZP18)	DEC K18	1044
	T1+62+04K22(KZ1)+05K22(KZ2)+06K22(KZP1)+07K22(KZP8)	DEC K18	1045
	1+08K22(KZ1)+09K22(KZ18)+010K22(KZP1)+011K22(KZP18)	DEC K18	1046
1050	T1+63+04K23(KZ1)+05K23(KZ2)+06K23(KZP1)+07K23(KZP8)	DEC K18	1047
	1+08K23(KZ1)+09K23(KZ18)+010K23(KZP1)+011K23(KZP18)	DEC K18	1048
	T1+64+04K24(KZ1)+05K24(KZ2)+06K24(KZP1)+07K24(KZP8)	DEC K18	1049
	1+08K24(KZ1)+09K24(KZ18)+010K24(KZP1)+011K24(KZP18)	DEC K18	1050
	T1+65+04K25(KZ1)+05K25(KZ2)+06K25(KZP1)+07K25(KZP8)	DEC K18	1051
	1+08K25(KZ1)+09K25(KZ18)+010K25(KZP1)+011K25(KZP18)	DEC K18	1052
1055	T1+66+04K26(KZ1)+05K26(KZ2)+06K26(KZP1)+07K26(KZP8)	DEC K18	1053
	1+08K26(KZ1)+09K26(KZ18)+010K26(KZP1)+011K26(KZP18)	DEC K18	1054
	T1+67+04K27(KZ1)+05K27(KZ2)+06K27(KZP1)+07K27(KZP8)	DEC K18	1055
	1+08K27(KZ1)+09K27(KZ18)+010K27(KZP1)+011K27(KZP18)	DEC K18	1056
	T1+68+04K28(KZ1)+05K28(KZ2)+06K28(KZP1)+07K28(KZP8)	DEC K18	1057
	1+08K28(KZ1)+09K28(KZ18)+010K28(KZP1)+011K28(KZP18)	DEC K18	1058
1060	T1+69+04K29(KZ1)+05K29(KZ2)+06K29(KZP1)+07K29(KZP8)	DEC K18	1059
	1+08K29(KZ1)+09K29(KZ18)+010K29(KZP1)+011K29(KZP18)	DEC K18	1060
	T1+70+04K30(KZ1)+05K30(KZ2)+06K30(KZP1)+07K30(KZP8)	DEC K18	1061
	1+08K30(KZ1)+09K30(KZ18)+010K30(KZP1)+011K30(KZP18)	DEC K18	1062
1065	T1+71+04K31(KZ1)+05K31(KZ2)+06K31(KZP1)+07K31(KZP8)	DEC K18	1063
	1+08K31(KZ1)+09K31(KZ18)+010K31(KZP1)+011K31(KZP18)	DEC K18	1064
	T1+72+04K32(KZ1)+05K32(KZ2)+06K32(KZP1)+07K32(KZP8)	DEC K18	1065
	1+08K32(KZ1)+09K32(KZ18)+010K32(KZP1)+011K32(KZP18)	DEC K18	1066
	T1+73+04K33(KZ1)+05K33(KZ2)+06K33(KZP1)+07K33(KZP8)	DEC K18	1067
	1+08K33(KZ1)+09K33(KZ18)+010K33(KZP1)+011K33(KZP18)	DEC K18	1068
1070	T1+74+04K34(KZ1)+05K34(KZ2)+06K34(KZP1)+07K34(KZP8)	DEC K18	1069
	1+08K34(KZ1)+09K34(KZ18)+010K34(KZP1)+011K34(KZP18)	DEC K18	1070
	T1+75+04K35(KZ1)+05K35(KZ2)+06K35(KZP1)+07K35(KZP8)	DEC K18	1071
	1+08K35(KZ1)+09K35(KZ18)+010K35(KZP1)+011K35(KZP18)	DEC K18	1072
1075	T1+76+04K36(KZ1)+05K36(KZ2)+06K36(KZP1)+07K36(KZP8)	DEC K18	1073
	1+08K36(KZ1)+09K36(KZ18)+010K36(KZP1)+011K36(KZP18)	DEC K18	1074
	T1+77+04K37(KZ1)+05K37(KZ2)+06K37(KZP1)+07K37(KZP8)	DEC K18	1075
	1+08K37(KZ1)+09K37(KZ18)+010K37(KZP1)+011K37(KZP18)	DEC K18	1076
	T1+78+04K38(KZ1)+05K38(KZ2)+06K38(KZP1)+07K38(KZP8)	DEC K18	1077
	1+08K38(KZ1)+09K38(KZ18)+010K38(KZP1)+011K38(KZP18)	DEC K18	1078
1080	T1+79+04K39(KZ1)+05K39(KZ2)+06K39(KZP1)+07K39(KZP8)	DEC K18	1079
	1+08K39(KZ1)+09K39(KZ18)+010K39(KZP1)+011K39(KZP18)	DEC K18	1080

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1314 7
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1635      T14781=O48X135(K2)+O58X135(K28)+O68X135(K28)+O78X135(K28)
1636      1+O88X135(K2P)+O98X135(K2P)+O108X135(K2P)+O118X135(K2P)
1637      T14784=O48X136(K2)+O58X136(K28)+O68X136(K28)+O78X136(K28)
1638      1+O88X136(K2P)+O98X136(K2P)+O108X136(K2P)+O118X136(K2P)
1639      GO TO 700
1640      3000  O1=1 -X1
1641           O2=1 -XO
1642           O1=O18D2
1643           O4=O18XO
1644           O5=O18XL
1645           O6=XO8XL
1646           T1461=O18X11(K2)+O28X11(K28)+O38X11(K28)+O48X11(K28)
1647           1+O58X11(K2P)+O68X11(K2P)+O78X11(K2P)+O88X11(K2P)
1648           T1462=O18X12(K2)+O28X12(K28)+O38X12(K28)+O48X12(K28)
1649           1+O58X12(K2P)+O68X12(K2P)+O78X12(K2P)+O88X12(K2P)
1650           T1463=O18X13(K2)+O28X13(K28)+O38X13(K28)+O48X13(K28)
1651           1+O58X13(K2P)+O68X13(K2P)+O78X13(K2P)+O88X13(K2P)
1652           T1464=O18X14(K2)+O28X14(K28)+O38X14(K28)+O48X14(K28)
1653           1+O58X14(K2P)+O68X14(K2P)+O78X14(K2P)+O88X14(K2P)
1654           T1465=O18X15(K2)+O28X15(K28)+O38X15(K28)+O48X15(K28)
1655           1+O58X15(K2P)+O68X15(K2P)+O78X15(K2P)+O88X15(K2P)
1656           T1466=O18X16(K2)+O28X16(K28)+O38X16(K28)+O48X16(K28)
1657           1+O58X16(K2P)+O68X16(K2P)+O78X16(K2P)+O88X16(K2P)
1658           T1467=O18X17(K2)+O28X17(K28)+O38X17(K28)+O48X17(K28)
1659           1+O58X17(K2P)+O68X17(K2P)+O78X17(K2P)+O88X17(K2P)
1660           T1468=O18X18(K2)+O28X18(K28)+O38X18(K28)+O48X18(K28)
1661           1+O58X18(K2P)+O68X18(K2P)+O78X18(K2P)+O88X18(K2P)
1662           T1469=O18X19(K2)+O28X19(K28)+O38X19(K28)+O48X19(K28)
1663           1+O58X19(K2P)+O68X19(K2P)+O78X19(K2P)+O88X19(K2P)
1664           T1470=O18X20(K2)+O28X20(K28)+O38X20(K28)+O48X20(K28)
1665           1+O58X20(K2P)+O68X20(K2P)+O78X20(K2P)+O88X20(K2P)
1666           T1471=O18X21(K2)+O28X21(K28)+O38X21(K28)+O48X21(K28)
1667           1+O58X21(K2P)+O68X21(K2P)+O78X21(K2P)+O88X21(K2P)
1668           T1472=O18X22(K2)+O28X22(K28)+O38X22(K28)+O48X22(K28)
1669           1+O58X22(K2P)+O68X22(K2P)+O78X22(K2P)+O88X22(K2P)
1670           T1473=O18X23(K2)+O28X23(K28)+O38X23(K28)+O48X23(K28)
1671           1+O58X23(K2P)+O68X23(K2P)+O78X23(K2P)+O88X23(K2P)
1672           T1474=O18X24(K2)+O28X24(K28)+O38X24(K28)+O48X24(K28)
1673           1+O58X24(K2P)+O68X24(K2P)+O78X24(K2P)+O88X24(K2P)
1674           T1475=O18X25(K2)+O28X25(K28)+O38X25(K28)+O48X25(K28)
1675           1+O58X25(K2P)+O68X25(K2P)+O78X25(K2P)+O88X25(K2P)
1676           T1476=O18X26(K2)+O28X26(K28)+O38X26(K28)+O48X26(K28)
1677           1+O58X26(K2P)+O68X26(K2P)+O78X26(K2P)+O88X26(K2P)
1678           T1477=O18X27(K2)+O28X27(K28)+O38X27(K28)+O48X27(K28)
1679           1+O58X27(K2P)+O68X27(K2P)+O78X27(K2P)+O88X27(K2P)
1680           T1478=O18X28(K2)+O28X28(K28)+O38X28(K28)+O48X28(K28)
1681           1+O58X28(K2P)+O68X28(K2P)+O78X28(K2P)+O88X28(K2P)
1682           T1479=O18X29(K2)+O28X29(K28)+O38X29(K28)+O48X29(K28)
1683           1+O58X29(K2P)+O68X29(K2P)+O78X29(K2P)+O88X29(K2P)
1684           T1480=O18X30(K2)+O28X30(K28)+O38X30(K28)+O48X30(K28)
1685           1+O58X30(K2P)+O68X30(K2P)+O78X30(K2P)+O88X30(K2P)
1686           GO TO 700
1687      2000  RW=0
1688      1346  IF (RN-DELJRW) 1345,1346,1347
1689      1347  IF (RW EQ 2) GO TO 1346
1690           RW=RW+1
1691           GO TO 1344
1692      1346  RW=RW+RW
1693           RW=RW+RW
1694           GO TO 2000
1695      1345  IF (RW EQ 0) GO TO 1346
1696           JR=RW-1
1697           RT=RT-JR
1698           RW=RW-JR
1699           RT=RT+JR
1700           RT=RT+1
1701           RT=RT+1
1702           RW=RW+1
1703           RW=RW+1
1704           RW=RW+1
1705           RW=RW+1
1706           RW=RW+1
1707           RW=RW+1
1708           RW=RW+1
1709           RW=RW+1
1710           RW=RW+1
1711           RW=RW+1
1712           RW=RW+1
1713           RW=RW+1
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Keywords: child sexual abuse; disclosure; social support

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2050 0191-24

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1434 (F4DU-DE上向部取集) 1435, 1436, 1437

1437 19 (50, 50, 2) 60 70 1436

1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765

GO TO INJ

Figure 1

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1436 FROM ED 01 GO TO 1436
55-55468-1A3

NSA/CSS (R) - 1102
NSA/CSS (R) - 1102

電話 03-5681-543
 傳真 03-5681-915

~~NOFORN-DECLASSIFIED-11E2~~
~~END~~

1999 1998

1946	1F15H-DEL JUNE	1945, 1946, 1947
1947	1F15H EG 21 GO	19 1946

1447 17448 LG 21 00 10 1448


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1876      T(4784)=D18K12(IK2)=XPKM12(IK2M)      DECK18      1872
      T(4785)=D18K13(IK3)=XPKM13(IK3M)      DECK18      1873
      T(4786)=D18K14(IK4)=XPKM14(IK4M)      DECK18      1874
      T(4787)=D18K15(IK5)=XPKM15(IK5M)      DECK18      1875
      T(4788)=D18K16(IK6)=XPKM16(IK6M)      DECK18      1876
      T(4789)=D18K17(IK7)=XPKM17(IK7M)      DECK18      1877
      T(4790)=D18K18(IK8)=XPKM18(IK8M)      DECK18      1878
      T(4791)=D18K19(IK9)=XPKM19(IK9M)      DECK18      1879
      T(4792)=D18K20(IK10)=XPKM20(IK10M)      DECK18      1880
      T(4793)=D18K21(IK11)=XPKM21(IK11M)      DECK18      1881
      T(4794)=D18K22(IK12)=XPKM22(IK12M)      DECK18      1882
      T(4795)=D18K23(IK13)=XPKM23(IK13M)      DECK18      1883
      T(4796)=D18K24(IK14)=XPKM24(IK14M)      DECK18      1884
      T(4797)=D18K25(IK15)=XPKM25(IK15M)      DECK18      1885
      T(4798)=D18K26(IK16)=XPKM26(IK16M)      DECK18      1886
      T(4799)=D18K27(IK17)=XPKM27(IK17M)      DECK18      1887
      T(4800)=D18K28(IK18)=XPKM28(IK18M)      DECK18      1888
      T(4801)=D18K29(IK19)=XPKM29(IK19M)      DECK18      1889
      T(4802)=D18K30(IK20)=XPKM30(IK20M)      DECK18      1890
      T(4803)=D18K31(IK21)=XPKM31(IK21M)      DECK18      1891
      T(4804)=D18K32(IK22)=XPKM32(IK22M)      DECK18      1892
      T(4805)=D18K33(IK23)=XPKM33(IK23M)      DECK18      1893
      T(4806)=D18K34(IK24)=XPKM34(IK24M)      DECK18      1894
      T(4807)=D18K35(IK25)=XPKM35(IK25M)      DECK18      1895
      T(4808)=D18K36(IK26)=XPKM36(IK26M)      DECK18      1896
      T(4809)=D18K37(IK27)=XPKM37(IK27M)      DECK18      1897
      T(4810)=D18K38(IK28)=XPKM38(IK28M)      DECK18      1898
      T(4811)=D18K39(IK29)=XPKM39(IK29M)      DECK18      1899
      T(4812)=D18K40(IK30)=XPKM40(IK30M)      DECK18      1900
      T(4813)=D18K41(IK31)=XPKM41(IK31M)      DECK18      1901
      T(4814)=D18K42(IK32)=XPKM42(IK32M)      DECK18      1902
      T(4815)=D18K43(IK33)=XPKM43(IK33M)      DECK18      1903
      T(4816)=D18K44(IK34)=XPKM44(IK34M)      DECK18      1904
      T(4817)=D18K45(IK35)=XPKM45(IK35M)      DECK18      1905
      T(4818)=D18K46(IK36)=XPKM46(IK36M)      DECK18      1906
      T(4819)=D18K47(IK37)=XPKM47(IK37M)      DECK18      1907
      T(4820)=D18K48(IK38)=XPKM48(IK38M)      DECK18      1908
      T(4821)=D18K49(IK39)=XPKM49(IK39M)      DECK18      1909
      T(4822)=D18K50(IK40)=XPKM50(IK40M)      DECK18      1910
      T(4823)=D18K51(IK41)=XPKM51(IK41M)      DECK18      1911
      T(4824)=D18K52(IK42)=XPKM52(IK42M)      DECK18      1912
      T(4825)=D18K53(IK43)=XPKM53(IK43M)      DECK18      1913
      T(4826)=D18K54(IK44)=XPKM54(IK44M)      DECK18      1914
      T(4827)=D18K55(IK45)=XPKM55(IK45M)      DECK18      1915
      T(4828)=D18K56(IK46)=XPKM56(IK46M)      DECK18      1916
      T(4829)=D18K57(IK47)=XPKM57(IK47M)      DECK18      1917
      T(4830)=D18K58(IK48)=XPKM58(IK48M)      DECK18      1918
      T(4831)=D18K59(IK49)=XPKM59(IK49M)      DECK18      1919
      T(4832)=D18K60(IK50)=XPKM60(IK50M)      DECK18      1920
      T(4833)=D18K61(IK51)=XPKM61(IK51M)      DECK18      1921
      T(4834)=D18K62(IK52)=XPKM62(IK52M)      DECK18      1922
      T(4835)=D18K63(IK53)=XPKM63(IK53M)      DECK18      1923
      T(4836)=D18K64(IK54)=XPKM64(IK54M)      DECK18      1924
      T(4837)=D18K65(IK55)=XPKM65(IK55M)      DECK18      1925
      T(4838)=D18K66(IK56)=XPKM66(IK56M)      DECK18      1926
      T(4839)=D18K67(IK57)=XPKM67(IK57M)      DECK18      1927
      T(4840)=D18K68(IK58)=XPKM68(IK58M)      DECK18      1928
      T(4841)=D18K69(IK59)=XPKM69(IK59M)      DECK18      1929
      T(4842)=D18K70(IK60)=XPKM70(IK60M)      DECK18      1930
      T(4843)=D18K71(IK61)=XPKM71(IK61M)      DECK18      1931
      T(4844)=D18K72(IK62)=XPKM72(IK62M)      DECK18      1932
      T(4845)=D18K73(IK63)=XPKM73(IK63M)      DECK18      1933
      T(4846)=D18K74(IK64)=XPKM74(IK64M)      DECK18      1934
      T(4847)=D18K75(IK65)=XPKM75(IK65M)      DECK18      1935
      T(4848)=D18K76(IK66)=XPKM76(IK66M)      DECK18      1936
      T(4849)=D18K77(IK67)=XPKM77(IK67M)      DECK18      1937
      T(4850)=D18K78(IK68)=XPKM78(IK68M)      DECK18      1938
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      T(4852)=D18K80(IK70)=XPKM80(IK70M)      DECK18      1940
      T(4853)=D18K81(IK71)=XPKM81(IK71M)      DECK18      1941
      T(4854)=D18K82(IK72)=XPKM82(IK72M)      DECK18      1942
      T(4855)=D18K83(IK73)=XPKM83(IK73M)      DECK18      1943
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      T(4857)=D18K85(IK75)=XPKM85(IK75M)      DECK18      1945
      T(4858)=D18K86(IK76)=XPKM86(IK76M)      DECK18      1946
      T(4859)=D18K87(IK77)=XPKM87(IK77M)      DECK18      1947
      T(4860)=D18K88(IK78)=XPKM88(IK78M)      DECK18      1948
      T(4861)=D18K89(IK79)=XPKM89(IK79M)      DECK18      1949
      T(4862)=D18K90(IK80)=XPKM90(IK80M)      DECK18      1950
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      T(4870)=D18K98(IK88)=XPKM98(IK88M)      DECK18      1958
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      T(4872)=D18K100(IK90)=XPKM100(IK90M)      DECK18      1960
      T(4873)=D18K101(IK91)=XPKM101(IK91M)      DECK18      1961
      T(4874)=D18K102(IK92)=XPKM102(IK92M)      DECK18      1962
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      T(4876)=D18K104(IK94)=XPKM104(IK94M)      DECK18      1964
      T(4877)=D18K105(IK95)=XPKM105(IK95M)      DECK18      1965
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      T(4892)=D18K120(IK110)=XPKM120(IK110M)      DECK18      1980
      T(4893)=D18K121(IK111)=XPKM121(IK111M)      DECK18      1981
      T(4894)=D18K122(IK112)=XPKM122(IK112M)      DECK18      1982
      T(4895)=D18K123(IK113)=XPKM123(IK113M)      DECK18      1983
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      T(4905)=D18K133(IK123)=XPKM133(IK123M)      DECK18      1993
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      T(4909)=D18K137(IK127)=XPKM137(IK127M)      DECK18      1997
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      T(4917)=D18K145(IK135)=XPKM145(IK135M)      DECK18      2005
      T(4918)=D18K146(IK136)=XPKM146(IK136M)      DECK18      2006
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      T(4920)=D18K148(IK138)=XPKM148(IK138M)      DECK18      2008
      T(4921)=D18K149(IK139)=XPKM149(IK139M)      DECK18      2009
      T(4922)=D18K150(IK140)=XPKM150(IK140M)      DECK18      2010
      T(4923)=D18K151(IK141)=XPKM151(IK141M)      DECK18      2011
      T(4924)=D18K152(IK142)=XPKM152(IK142M)      DECK18      2012
      T(4925)=D18K153(IK143)=XPKM153(IK143M)      DECK18      2013
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      T(4927)=D18K155(IK145)=XPKM155(IK145M)      DECK18      2015
      T(4928)=D18K156(IK146)=XPKM156(IK146M)      DECK18      2016
      T(4929)=D18K157(IK147)=XPKM157(IK147M)      DECK18      2017
      T(4930)=D18K158(IK148)=XPKM158(IK148M)      DECK18      2018
      T(4931)=D18K159(IK149)=XPKM159(IK149M)      DECK18      2019
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      T(4975)=D18K203(IK193)=XPKM203(IK193M)      DECK18      2063
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      T(4981)=D18K209(IK199)=XPKM209(IK199M)      DECK18      2069
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      T(4983)=D18K211(IK201)=XPKM211(IK201M)      DECK18      2071
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      T(4987)=D18K215(IK205)=XPKM215(IK205M)      DECK18      2075
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      T(5002)=D18K230(IK220)=XPKM230(IK220M)      DECK18      2090
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      T(5004)=D18K232(IK222)=XPKM232(IK222M)      DECK18      2092
      T(5005)=D18K233(IK223)=XPKM233(IK223M)      DECK18      2093
      T(5006)=D18K234(IK224)=XPKM234(IK224M)      DECK18      2094
      T(5007)=D18K235(IK225)=XPKM235(IK225M)      DECK18      2095
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      T(5013)=D18K241(IK231)=XPKM241(IK231M)      DECK18      2101
      T(5014)=D18K242(IK232)=XPKM242(IK232M)      DECK18      2102
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      T(5019)=D18K247(IK237)=XPKM247(IK237M)      DECK18      2107
      T(5020)=D18K248(IK238)=XPKM248(IK238M)      DECK18      2108
      T(5021)=D18K249(IK239)=XPKM249(IK239M)      DECK18      2109
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      T(5024)=D18K252(IK242)=XPKM252(IK242M)      DECK18      2112
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      T(5026)=D18K254(IK244)=XPKM254(IK244M)      DECK18      2114
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      T(5028)=D18K256(IK246)=XPKM256(IK246M)      DECK18      2116
      T(5029)=D18K257(IK247)=XPKM257(IK247M)      DECK18      2117
      T(5030)=D18K258(IK248)=XPKM258(IK248M)      DECK18      2118
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      T(5032)=D18K260(IK250)=XPKM260(IK250M)      DECK18      2120
      T(5033)=D18K261(IK251)=XPKM261(IK251M)      DECK18      2121
      T(5034)=D18K262(IK252)=XPKM262(IK252M)      DECK18      2122
      T(5035)=D18K263(IK253)=XPKM263(IK253M)      DECK18      2123
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      T(5037)=D18K265(IK255)=XPKM265(IK255M)      DECK18      2125
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      T(5039)=D18K267(IK257)=XPKM267(IK257M)      DECK18      2127
      T(5040)=D18K268(IK258)=XPKM268(IK258M)      DECK18      2128
      T(5041)=D18K269(IK259)=XPKM269(IK259M)      DECK18      2129
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      T(5043)=D18K271(IK261)=XPKM271(IK261M)      DECK18      2131
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      T(5048)=D18K276(IK266)=XPKM276(IK266M)      DECK18      2136
      T(5049)=D18K277(IK267)=XPKM277(IK267M)      DECK18      2137
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      T(5051)=D18K279(IK269)=XPKM279(IK269M)      DECK18      2139
      T(5052)=D18K280(IK270)=XPKM280(IK270M)      DECK18      2140
      T(5053)=D18K281(IK271)=XPKM281(IK271M)      DECK18      2141
      T(5054)=D18K282(IK272)=XPKM282(IK272M)      DECK18      2142
      T(5055)=D18K283(IK273)=XPKM283(IK273M)      DECK18      2143
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VARIABLES SN TYPE SELOCATION

17302 D10 REAL

17303 D11 REAL

17304 D12 REAL

17305 D13 REAL

17306 D14 REAL

17307 D15 REAL

DEF INO

DEF INO

DEF INO

DEF INO

DEF INO

DEF INO

REFERENCES

END TYPE

DECLARATION

17274 DN

REF

17276 05

PCML

REF ID: A66154

VARIABLES

SN TYPE

RELOCATION

17276 06 REAL

17277 07 REAL

DEF=NO

DEF=NO

VARIABLES	SM TYPE	RELATION
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1154

TWYGEN

17267 JF

11

1407 EGER
1407 EGER

17217 1M

1994

INTEGER

17320 JP

JF. IN

INTEGER

17220 75
17240 84

100

INTELLECT

17506 CB

11

INTRODUCTION

17253 420 INTEGER

SUBROUTINE XINT4		73/73 OPT=1	FTN 4 74470	79/01/04 21 26 07	PAGE 284
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			17260	R2B	INTEGER
			17261	R2F	INTEGER

17252 0201 INTEGR

SUBROUTINE MIN74			73/73 OPT-1	FIN 4 74470	79/01/04 21 24 07	PAGE 286	
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			1162	1164	1166	1174	1176
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VARIABLES	SM	TYPE	RELOC: OM							
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D TJ45P3	REAL	F P	DEF INED	1244	1244	1243	1242	1243	1245	1251
D TJ45P4	REAL	F P	DEF INED	1245	1245	1244	1243	1244	1246	1252
D TJ46P1	REAL	F P	DEF INED	1246	1246	1245	1244	1245	1247	1253
D TJ46P2	REAL	F P	DEF INED	1247	1247	1246	1245	1246	1248	1254
D TJ46P3	REAL	F P	DEF INED	1248	1248	1247	1246	1247	1249	1255
D TJ46P4	REAL	F P	DEF INED	1249	1249	1248	1247	1248	1250	1256
D TJ46P5	REAL	F P	DEF INED	1250	1250	1249	1248	1249	1251	1257
D TJ46P6	REAL	F P	DEF INED	1251	1251	1250	1249	1250	1252	1258
D TJ46P7	REAL	F P	DEF INED	1252	1252	1251	1250	1251	1253	1259
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D TJ47P2	REAL	F P	DEF INED	1256	1256	1255	1254	1255	1257	1263
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D TJ47P4	REAL	F P	DEF INED	1258	1258	1257	1256	1257	1259	1265
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D TJ47P8	REAL	F P	DEF INED	1262	1262	1261	1260	1261	1263	1269
D TJ47P9	REAL	F P	DEF INED	1263	1263	1262	1261	1262	1264	1270
D TJ48P1	REAL	F P	DEF INED	1264	1264	1263	1262	1263	1265	1271
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D TJ48P3	REAL	F P	DEF INED	1266	1266	1265	1264	1265	1267	1273
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D TJ49P5	REAL	F P	DEF INED	1277	1277	1276	1275	1276	1278	1284
D TJ49P6	REAL	F P	DEF INED	1278	1278	1277	1276	1277	1279	1285
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D TJ50P1	REAL	F P	DEF INED	1282	1282	1281	1280	1281	1283	1289
D TJ50P2	REAL	F P	DEF INED	1283	1283	1282	1281	1282	1284	1290
D TJ50P3	REAL	F P	DEF INED	1284	1284	1283	1282	1283	1285	1291
D TJ50P4	REAL	F P	DEF INED	1285	1285	1284	1283	1284	1286	1292
D TJ50P5	REAL	F P	DEF INED	1286	1286	1285	1284	1285	1287	1293
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D TJ51P2	REAL	F P	DEF INED	1292	1292	1291	1290	1291	1293	1299
D TJ51P3	REAL	F P	DEF INED	1293	1293	1292	1291	1292	1294	1300
D TJ51P4	REAL	F P	DEF INED	1294	1294	1293	1292	1293	1295	1301
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D TJ52P4	REAL	F P	DEF INED	1303	1303	1302	1301	1302	1304	1310
D TJ52P5	REAL	F P	DEF INED	1304	1304	1303	1302	1303	1305	1311
D TJ52P6	REAL	F P	DEF INED	1305	1305	1304	1303	1304	1306	1312
D TJ52P7	REAL	F P	DEF INED	1306	1306	1305	1304	1305	1307	1313
D TJ52P8	REAL	F P	DEF INED	1307	1307	1306	1305	1306	1308	1314
D TJ52P9	REAL	F P	DEF INED	1308	1308	1307	1306	1307	1309	1315
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D TJ53P2	REAL	F P	DEF INED	1310	1310	1309	1308	1309	1311	1317
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D TJ53P4	REAL	F P	DEF INED	1312	1312	1311	1310	1311	1313	1319
D TJ53P5	REAL	F P	DEF INED	1313	1313	1312	1311	1312	1314	1320
D TJ53P6	REAL	F P	DEF INED	1314	1314	1313	1312	1313	1315	1321
D TJ53P7	REAL	F P	DEF INED	1315	1315	1314	1313	1314	1316	1322
D TJ53P8	REAL	F P	DEF INED	1316	1316	1315	1314	1315	1317	1323
D TJ53P9	REAL	F P	DEF INED	1317	1317	1316	1315	1316	1318	1324
D TJ54P1	REAL	F P	DEF INED	1318	1318	1317	1316	1317	1319	1325
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D TJ54P3	REAL	F P	DEF INED	1320	1320	1319	1318	1319	1321	1327
D TJ54P4	REAL	F P	DEF INED	1321	1321	1320	1319	1320	1322	1328
D TJ54P5	REAL	F P	DEF INED	1322	1322	1321	1320	1321	1323	1329
D TJ54P6	REAL	F P	DEF INED	1323	1323	1322	1321	1322	1324	1330
D TJ54P7	REAL	F P	DEF INED	1324	1324	1323	1322	1323	1325	1331
D TJ54P8	REAL	F P	DEF INED	1325	1325	1324	1323	1324	1326	1332
D TJ54P9	REAL	F P	DEF INED	1326	1326	1325	1324	1325	1327	1333
D TJ55P1	REAL	F P	DEF INED	1327	1327	1326	1325	1326	1328	1334
D TJ55P2	REAL	F P	DEF INED	1328	1328	1327	1326	1327	1329	1335
D TJ55P3	REAL	F P	DEF INED	1329	1329	1328	1327	1328	1330	1336
D TJ55P4	REAL	F P	DEF INED	1330	1330	1329	1328	1329	1331	1337
D TJ55P5	REAL	F P	DEF INED	1331	1331	1330	1329	1330	1332	1338
D TJ55P6	REAL	F P	DEF INED	1332	1332	1331	1330	1331	1333	1339
D TJ55P7	REAL	F P	DEF INED	1333	1333	1332	1331	1332	1334	1340
D TJ55P8	REAL	F P	DEF INED	1334	1334	1333	1332	1333	1335	1341
D TJ55P9	REAL	F P	DEF INED	1335	1335	1334	1333	1334	1336	1342
D TJ56P1	REAL	F P	DEF INED	1336	1336	1335	1334	1335	1337	1343
D TJ56P2	REAL	F P	DEF INED	1337	1337	1336	1335	1336	1338	1344
D TJ56P3	REAL	F P	DEF INED	1338	1338	1337	1336	1337	1339	1345
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D TJ56P5	REAL	F P	DEF INED	1340	1340	1339	1338	1339	1341	1347
D TJ56P6	REAL	F P	DEF INED	1341	1341	1340	1339	1340	1342	1348
D TJ56P7	REAL	F P	DEF INED	1342	1342	1341	1340	1341	1343	1349
D TJ56P8	REAL	F P	DEF INED	1343	1343	1342	1341	1342	1344	1350
D TJ56P9	REAL	F P	DEF INED	1344	1344	1343	1342	1343	1345	1351
D TJ57P1	REAL	F P	DEF INED	1345	1345	1344	1343	1344	1346	1352
D TJ57P2	REAL	F P	DEF INED	1346	1346	1345	1344	1345	1347	1353
D TJ57P3	REAL	F P	DEF INED	1347	1347	1346	1345	1346	1348	1354
D TJ57P4	REAL	F P	DEF INED	1348	1348	1347	1346	1347	1349	1355
D TJ57P5	REAL	F P	DEF INED	1349	1349	1348	1347	1348	1350	1356
D TJ57P6	REAL	F P	DEF INED	1350	1350	1349	1348	1349	1351	1357
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D TJ57P8	REAL	F P	DEF INED	1352	1352	1351	1350	1351	1353	1359
D TJ57P9	REAL	F P	DEF INED	1353	1353	1352	1351	1352	1354	1360
D TJ58P1	REAL	F P	DEF INED	1354	1354	1353	1352	1353	1355	1361
D TJ58P2	REAL	F P	DEF INED	1355	1355	1354	1353	1354	1356	1362
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D TJ58P5	REAL	F P	DEF INED	1358	1358	1357	1356	1357	1359	1365
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D TJ58P9	REAL	F P	DEF INED	1362	1362	1361	1360	1361	1363	1369
D TJ59P1	REAL	F P	DEF INED	1363	1363	1362	1361	1362	1364	1370
D TJ59P2	REAL	F P	DEF INED	1364	1364	1363	1362	1363	1365	1371
D TJ59P3	REAL	F P	DEF INED	1365	1365	1364	1363	1364	1366	1372
D TJ59P4	REAL	F P	DEF INED	1366	1366	1365	1364	1365	1367	1373
D TJ59P5	REAL	F P	DEF INED	1367	1367	1366	1365	1366	1368	1374
D TJ59P6										

SUBROUTINE XINT4		73/73	OPT=1	FTN 4 74470		79/01/04	21 26 07	PAGE	289
VARIABLE	SM	TYPE	RELOCATION						
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33141	X115	REAL	ARRAY	2833917	283476	DEFINIO	217	328	328
34041	X116	REAL	ARRAY	2833918	283476	DEFINIO	217	328	328
34721	X117	REAL	ARRAY	2833919	283476	DEFINIO	217	328	328
35401	X118	REAL	ARRAY	2833920	283476	DEFINIO	217	328	328
36461	X119	REAL	ARRAY	2833921	283476	DEFINIO	217	328	328
40201	X12	REAL	ARRAY	2833922	283476	DEFINIO	217	328	328
47341	X120	REAL	ARRAY	2833923	283476	DEFINIO	217	328	328
40221	X121	REAL	ARRAY	2833924	283476	DEFINIO	217	328	328
41101	X122	REAL	ARRAY	2833925	283476	DEFINIO	217	328	328
41761	X123	REAL	ARRAY	2833926	283476	DEFINIO	217	328	328
42641	X124	REAL	ARRAY	2833927	283476	DEFINIO	217	328	328
43621	X125	REAL	ARRAY	2833928	283476	DEFINIO	217	328	328
44401	X126	REAL	ARRAY	2833929	283476	DEFINIO	217	328	328
45261	X127	REAL	ARRAY	2833930	283476	DEFINIO	217	328	328
46141	X128	REAL	ARRAY	2833931	283476	DEFINIO	217	328	328
47021	X129	REAL	ARRAY	2833932	283476	DEFINIO	217	328	328
51061	X13	REAL	ARRAY	2833933	283476	DEFINIO	217	328	328
57701	X130	REAL	ARRAY	2833934	283476	DEFINIO	217	328	328
60561	X131	REAL	ARRAY	2833935	283476	DEFINIO	217	328	328
61441	X132	REAL	ARRAY	2833936	283476	DEFINIO	217	328	328
62321	X133	REAL	ARRAY	2833937	283476	DEFINIO	217	328	328
63201	X134	REAL	ARRAY	2833938	283476	DEFINIO	217	328	328
64061	X135	REAL	ARRAY	2833939	283476	DEFINIO	217	328	328
64741	X136	REAL	ARRAY	2833940	283476	DEFINIO	217	328	328
71741	X14	REAL	ARRAY	2833941	283476	DEFINIO	217	328	328

SUBROUTINE	HINTN	71/71	OPT=1	FTM N 74470	79/01/04	21 26 07	PAGE	290
VARIABLES	SM TYPE	SELECTION						
22621 X16	REAL	ARRAY						
22601 X16	REAL	ARRAY						
24261 X17	REAL	ARRAY						
25241 X18	REAL	ARRAY						
26121 X19	REAL	ARRAY						
17237 XL	REAL							
D NM	REAL	F P						
17237 HNNX	REAL							
17230 HNNIN	REAL							
17216 HW	REAL							
17245 HO	REAL							
17270 HP	REAL							
EXTERNALS	TYPE	ADD	REFERENCES					
STATEMENT LABELS	DEF LINE	REFERENCES						

STATEMENT LABELS	DEF	REFERENCES
10	INACTIVE	2781 2787
12		
13	INACTIVE	2795 2803
15		
16	INACTIVE	2815 2827
1200		
1201	INACTIVE	3099 3107
710		
711	INACTIVE	3255 3260
712		
713	INACTIVE	3268 3269
1176		
1177	INACTIVE	3405 3412
1178		
1179		
1180	INACTIVE	3475 3481 3486 3492 3496 3498 3499 3502
1181		
1182		
1183		
1184	INACTIVE	3513 3518
1185		
1186	INACTIVE	3524 3530
1187		
1188	INACTIVE	3536 3546
1507		
1508	INACTIVE	3685 3691
1509		
1510	INACTIVE	3781 3786
1511		
1512	INACTIVE	3792 3798
1513		
1514	INACTIVE	3888 3892
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COMMON BLOCKS LENGTH MEMBERS - DIMS NAME(LENGTH)
 18 0 18 1

STATISTICS
 PROGRAM LENGTH 554218 23441
 CM LABELED COMMON LENGTH 228 10
 714000 CM USED

[illegible]


```
870      X = 01450. - 00309. - 01820. - 02262. - 02282. - 01458.
      X = - 00006. - 00006. - 00006. - 00006. - 00006. - 00006.
      X = 01918. - 01918. - 01918. - 01918. - 01918. - 01918.
      X = 00771. - 00771. - 00771. - 00771. - 00771. - 00771.
875      X = 00006. - 00006. - 00006. - 00006. - 00006. - 00006.
      X = 01458. - 01458. - 01458. - 01458. - 01458. - 01458.
      X = 01118. - 01118. - 01118. - 01118. - 01118. - 01118.
      X = 00007. - 00007. - 00007. - 00007. - 00007. - 00007.
      X = 01458. - 01458. - 01458. - 01458. - 01458. - 01458.
      X = 01280. - 01280. - 01280. - 01280. - 01280. - 01280.
880      DATA (X11Z(JL), JL=217, 221) /
      X = 00000. - 00000. - 00000. - 00000. - 00000. - 00000.
      X = 00771. - 00771. - 00771. - 00771. - 00771. - 00771.
      X = 02917. - 02917. - 02917. - 02917. - 02917. - 02917.
      X = - 00006. - 00006. - 00006. - 00006. - 00006. - 00006.
885      X = 02709. - 02709. - 02709. - 02709. - 02709. - 02709.
      X = 01888. - 01888. - 01888. - 01888. - 01888. - 01888.
      X = - 00007. - 00007. - 00007. - 00007. - 00007. - 00007.
      X = - 1.00002. - 1.00002. - 1.00002. - 1.00002. - 1.00002. - 1.00002.
890      X = 01280. - 01280. - 01280. - 01280. - 01280. - 01280.
      X = - 00019. - 00019. - 00019. - 00019. - 00019. - 00019.
      X = - 00197. - 00197. - 00197. - 00197. - 00197. - 00197.
      X = 01888. - 01888. - 01888. - 01888. - 01888. - 01888.
      X = - 00006. - 00006. - 00006. - 00006. - 00006. - 00006.
895      X = - 19.00000. - 19.00000. - 19.00000. - 19.00000. - 19.00000. - 19.00000.
      X = 00771. - 00771. - 00771. - 00771. - 00771. - 00771.
      X = - 00012. - 00012. - 00012. - 00012. - 00012. - 00012.
      X = - 00070. - 00070. - 00070. - 00070. - 00070. - 00070.
900      DATA (X11Z(JL), JL=225, 229) /
      X = 00010. - 00010. - 00010. - 00010. - 00010. - 00010.
      X = - 224.00000. - 224.00000. - 224.00000. - 224.00000. - 224.00000. - 224.00000.
      X = 00771. - 00771. - 00771. - 00771. - 00771. - 00771.
      X = - 00016. - 00016. - 00016. - 00016. - 00016. - 00016.
905      X = - 2.00000. - 2.00000. - 2.00000. - 2.00000. - 2.00000. - 2.00000.
      X = 00017. - 00017. - 00017. - 00017. - 00017. - 00017.
      X = - 309.00000. - 309.00000. - 309.00000. - 309.00000. - 309.00000. - 309.00000.
      X = 07066. - 07066. - 07066. - 07066. - 07066. - 07066.
      X = 00017. - 00017. - 00017. - 00017. - 00017. - 00017.
910      X = - 18.00000. - 18.00000. - 18.00000. - 18.00000. - 18.00000. - 18.00000.
      X = 00147. - 00147. - 00147. - 00147. - 00147. - 00147.
      X = - 00016. - 00016. - 00016. - 00016. - 00016. - 00016.
      X = - 28000.00000. - 28000.00000. - 28000.00000. - 28000.00000. - 28000.00000. - 28000.00000.
915      X = 00147. - 00147. - 00147. - 00147. - 00147. - 00147.
      X = - 00010. - 00010. - 00010. - 00010. - 00010. - 00010.
      X = - 160.00000. - 160.00000. - 160.00000. - 160.00000. - 160.00000. - 160.00000.
      X = 00139. - 00139. - 00139. - 00139. - 00139. - 00139.
      DATA (X11Z(JL), JL=233, 237) /
920      1 IF (SP2-KM(1)) 2,3,4
      2 IF (1-0.1) GO TO 3
      3 GO TO 1
      4 IF (1-0.12) GO TO 3
      5 IF (SP2-KM(1)) 5,6,7
      6 GO TO 4
      7 IF (1-0.1) GO TO 4
      8 GO TO 5
      9 IF (1-0.1) GO TO 5
      10 X=SP2-KM(1)/(KM(1)-KM(1))
      11 JNIM=(1-1920.1)
      12 JNIM=JNIM*JNIM
925      PHAP2
      PHIM=SP2-5
      PHAP=PH2
      IF (PHIM LE 0) PHIM=0
      DEL=(PHAP-PHIM)/3
930      DELAP=5
      PHAPK=1-PHAPK/(PHAP-QU1982)
      DELT=KXNMS*5
      K1=0
935      226 IF (PHK-(PHIM-DELT)) 226,226,227
      227 IF (K1 GE 3) GO TO 226
      K1=K1+1
      GO TO 226
      228 K5=JNIM*PHKT
```



```
1110 1-058X18 (KZ1)+058X18 (KZ18)+0108X18 (KZP1)+0118X18 (KZP18)
      T148B1-058X19 (KZ1)+058X19 (KZ19)+068X19 (KZP1)+078X19 (KZP18)
      1-058X19 (KZ1)+058X19 (KZ19)+0108X19 (KZP1)+0118X19 (KZP18)
      T148B2-058X10 (KZ1)+058X10 (KZ18)+068X10 (KZP1)+078X10 (KZP18)
      1-058X10 (KZ1)+058X10 (KZ18)+0108X10 (KZP1)+0118X10 (KZP18)
      T148B3-058X11 (KZ1)+058X11 (KZ19)+068X11 (KZP1)+078X11 (KZP18)
      1-058X11 (KZ1)+058X11 (KZ19)+0108X11 (KZP1)+0118X11 (KZP18)
      T148B4-058X12 (KZ1)+058X12 (KZ19)+068X12 (KZP1)+078X12 (KZP18)
      1-058X12 (KZ1)+058X12 (KZ19)+0108X12 (KZP1)+0118X12 (KZP18)
      GO TO 700
1115 1-058X13 (KZ1)+058X13 (KZ19)+0108X13 (KZP1)+0118X13 (KZP18)
      GO TO 700
      K8=0
      1-058X14 (KZ1)+058X14 (KZ19)+068X14 (KZP1)+078X14 (KZP18)
      1-058X14 (KZ1)+058X14 (KZ19)+0108X14 (KZP1)+0118X14 (KZP18)
      GO TO 340
1120 1-058X15 (KZ1)+058X15 (KZ19)+068X15 (KZP1)+078X15 (KZP18)
      GO TO 340
      K8=K8+1
      1-058X16 (KZ1)+058X16 (KZ19)+068X16 (KZP1)+078X16 (KZP18)
      1-058X16 (KZ1)+058X16 (KZ19)+0108X16 (KZP1)+0118X16 (KZP18)
      GO TO 300
1125 1-058X17 (KZ1)+058X17 (KZ19)+068X17 (KZP1)+078X17 (KZP18)
      GO TO 300
      1-058X18 (KZ1)+058X18 (KZ19)+068X18 (KZP1)+078X18 (KZP18)
      1-058X18 (KZ1)+058X18 (KZ19)+0108X18 (KZP1)+0118X18 (KZP18)
      GO TO 340
1130 1-058X19 (KZ1)+058X19 (KZ19)+068X19 (KZP1)+078X19 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X20 (KZ1)+058X20 (KZ19)+068X20 (KZP1)+078X20 (KZP18)
      1-058X20 (KZ1)+058X20 (KZ19)+0108X20 (KZP1)+0118X20 (KZP18)
      GO TO 340
1135 1-058X21 (KZ1)+058X21 (KZ19)+068X21 (KZP1)+078X21 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X22 (KZ1)+058X22 (KZ19)+068X22 (KZP1)+078X22 (KZP18)
      1-058X22 (KZ1)+058X22 (KZ19)+0108X22 (KZP1)+0118X22 (KZP18)
      GO TO 340
1140 1-058X23 (KZ1)+058X23 (KZ19)+068X23 (KZP1)+078X23 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X24 (KZ1)+058X24 (KZ19)+068X24 (KZP1)+078X24 (KZP18)
      1-058X24 (KZ1)+058X24 (KZ19)+0108X24 (KZP1)+0118X24 (KZP18)
      GO TO 340
1145 1-058X25 (KZ1)+058X25 (KZ19)+068X25 (KZP1)+078X25 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X26 (KZ1)+058X26 (KZ19)+068X26 (KZP1)+078X26 (KZP18)
      1-058X26 (KZ1)+058X26 (KZ19)+0108X26 (KZP1)+0118X26 (KZP18)
      GO TO 340
1150 1-058X27 (KZ1)+058X27 (KZ19)+068X27 (KZP1)+078X27 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X28 (KZ1)+058X28 (KZ19)+068X28 (KZP1)+078X28 (KZP18)
      1-058X28 (KZ1)+058X28 (KZ19)+0108X28 (KZP1)+0118X28 (KZP18)
      GO TO 340
1155 1-058X29 (KZ1)+058X29 (KZ19)+068X29 (KZP1)+078X29 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X30 (KZ1)+058X30 (KZ19)+068X30 (KZP1)+078X30 (KZP18)
      1-058X30 (KZ1)+058X30 (KZ19)+0108X30 (KZP1)+0118X30 (KZP18)
      GO TO 340
1160 1-058X31 (KZ1)+058X31 (KZ19)+068X31 (KZP1)+078X31 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X32 (KZ1)+058X32 (KZ19)+068X32 (KZP1)+078X32 (KZP18)
      1-058X32 (KZ1)+058X32 (KZ19)+0108X32 (KZP1)+0118X32 (KZP18)
      GO TO 340
1165 1-058X33 (KZ1)+058X33 (KZ19)+068X33 (KZP1)+078X33 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X34 (KZ1)+058X34 (KZ19)+068X34 (KZP1)+078X34 (KZP18)
      1-058X34 (KZ1)+058X34 (KZ19)+0108X34 (KZP1)+0118X34 (KZP18)
      GO TO 340
1170 1-058X35 (KZ1)+058X35 (KZ19)+068X35 (KZP1)+078X35 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X36 (KZ1)+058X36 (KZ19)+068X36 (KZP1)+078X36 (KZP18)
      1-058X36 (KZ1)+058X36 (KZ19)+0108X36 (KZP1)+0118X36 (KZP18)
      GO TO 340
1175 1-058X37 (KZ1)+058X37 (KZ19)+068X37 (KZP1)+078X37 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X38 (KZ1)+058X38 (KZ19)+068X38 (KZP1)+078X38 (KZP18)
      1-058X38 (KZ1)+058X38 (KZ19)+0108X38 (KZP1)+0118X38 (KZP18)
      GO TO 340
1180 1-058X39 (KZ1)+058X39 (KZ19)+068X39 (KZP1)+078X39 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X40 (KZ1)+058X40 (KZ19)+068X40 (KZP1)+078X40 (KZP18)
      1-058X40 (KZ1)+058X40 (KZ19)+0108X40 (KZP1)+0118X40 (KZP18)
      GO TO 340
1185 1-058X41 (KZ1)+058X41 (KZ19)+068X41 (KZP1)+078X41 (KZP18)
      GO TO 340
      K2=K2+1
      1-058X42 (KZ1)+058X42 (KZ19)+068X42 (KZP1)+078X42 (KZP18)
      1-058X42 (KZ1)+058X42 (KZ19)+0108X42 (KZP1)+0118X42 (KZP18)
      GO TO 340
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1496 K7=K5+K8  
K7M=K5M+K8  
GO TO 5050  
1505 1498 IF (K8) GO TO 1498  
K8=K8-1  
K7=K5+K8  
K7M=K5M+K8  
K7=K7+1  
1510 K7M=K7M+1  
HP=K7M-DEL39JA1/DEL3  
O1=1 -XO  
O2=1 -XP  
O3=O1802  
1515 O4=K7801  
O5=K0202  
O6=K0202  
T1401=O18X11 (K7)=O4X11 (K7M)=O6X11 (K7M)=O6X11 (K7M)=O6X11  
T1402=O18X12 (K7)=O4X12 (K7M)=O6X12 (K7M)=O6X12 (K7M)=O6X12  
T1403=O18X13 (K7)=O4X13 (K7M)=O6X13 (K7M)=O6X13 (K7M)=O6X13  
1520 T1404=O18X14 (K7)=O4X14 (K7M)=O6X14 (K7M)=O6X14 (K7M)=O6X14  
T1405=O18X15 (K7)=O4X15 (K7M)=O6X15 (K7M)=O6X15 (K7M)=O6X15  
T1406=O18X16 (K7)=O4X16 (K7M)=O6X16 (K7M)=O6X16 (K7M)=O6X16  
1525 T1407=O18X17 (K7)=O4X17 (K7M)=O6X17 (K7M)=O6X17 (K7M)=O6X17  
T1408=O18X18 (K7)=O4X18 (K7M)=O6X18 (K7M)=O6X18 (K7M)=O6X18  
T1409=O18X19 (K7)=O4X19 (K7M)=O6X19 (K7M)=O6X19 (K7M)=O6X19  
T1410=O18X20 (K7)=O4X20 (K7M)=O6X20 (K7M)=O6X20 (K7M)=O6X20  
1530 T1411=O18X21 (K7)=O4X21 (K7M)=O6X21 (K7M)=O6X21 (K7M)=O6X21  
T1412=O18X22 (K7)=O4X22 (K7M)=O6X22 (K7M)=O6X22 (K7M)=O6X22  
GO TO 700  
5050 O1=1 -XO  
T1401=O18X11 (K7)=O4X11 (K7M)=O6X11 (K7M)=O6X11 (K7M)=O6X11  
1535 T1402=O18X12 (K7)=O4X12 (K7M)=O6X12 (K7M)=O6X12 (K7M)=O6X12  
T1403=O18X13 (K7)=O4X13 (K7M)=O6X13 (K7M)=O6X13 (K7M)=O6X13  
T1404=O18X14 (K7)=O4X14 (K7M)=O6X14 (K7M)=O6X14 (K7M)=O6X14  
1540 T1405=O18X15 (K7)=O4X15 (K7M)=O6X15 (K7M)=O6X15 (K7M)=O6X15  
T1406=O18X16 (K7)=O4X16 (K7M)=O6X16 (K7M)=O6X16 (K7M)=O6X16  
T1407=O18X17 (K7)=O4X17 (K7M)=O6X17 (K7M)=O6X17 (K7M)=O6X17  
T1408=O18X18 (K7)=O4X18 (K7M)=O6X18 (K7M)=O6X18 (K7M)=O6X18  
1545 T1409=O18X19 (K7)=O4X19 (K7M)=O6X19 (K7M)=O6X19 (K7M)=O6X19  
T1410=O18X20 (K7)=O4X20 (K7M)=O6X20 (K7M)=O6X20 (K7M)=O6X20  
T1411=O18X21 (K7)=O4X21 (K7M)=O6X21 (K7M)=O6X21 (K7M)=O6X21  
T1412=O18X22 (K7)=O4X22 (K7M)=O6X22 (K7M)=O6X22 (K7M)=O6X22  
GO TO 700  
1550 K8=0  
1555 IF (K7M-DEL39K2) 1555 1555 1555  
1557 IF (K8) GO TO 1554  
K8=K8+1  
GO TO 1554  
1560 1556 K5=K5+K8  
GO TO 3100  
1565 1558 IF (K8) GO TO 1556  
K5=K5+K8-1  
K5M=K5M+1  
1565 HP=K5M-DEL39K8-11/DEL3  
O1=1 -XP  
T1401=O18X11 (K5)=O4X11 (K5M)=O6X11 (K5M)=O6X11 (K5M)=O6X11  
1570 T1402=O18X12 (K5)=O4X12 (K5M)=O6X12 (K5M)=O6X12 (K5M)=O6X12  
T1403=O18X13 (K5)=O4X13 (K5M)=O6X13 (K5M)=O6X13 (K5M)=O6X13  
T1404=O18X14 (K5)=O4X14 (K5M)=O6X14 (K5M)=O6X14 (K5M)=O6X14  
1575 T1405=O18X15 (K5)=O4X15 (K5M)=O6X15 (K5M)=O6X15 (K5M)=O6X15  
T1406=O18X16 (K5)=O4X16 (K5M)=O6X16 (K5M)=O6X16 (K5M)=O6X16  
T1407=O18X17 (K5)=O4X17 (K5M)=O6X17 (K5M)=O6X17 (K5M)=O6X17  
T1408=O18X18 (K5)=O4X18 (K5M)=O6X18 (K5M)=O6X18 (K5M)=O6X18  
1580 T1409=O18X19 (K5)=O4X19 (K5M)=O6X19 (K5M)=O6X19 (K5M)=O6X19  
T1410=O18X20 (K5)=O4X20 (K5M)=O6X20 (K5M)=O6X20 (K5M)=O6X20  
T1411=O18X21 (K5)=O4X21 (K5M)=O6X21 (K5M)=O6X21 (K5M)=O6X21  
T1412=O18X22 (K5)=O4X22 (K5M)=O6X22 (K5M)=O6X22 (K5M)=O6X22
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SUBROUTINE KINTL			73/73	OPT:1	FTN N 74470		79/01/04	21 26 07	PAGE 318	
VARIABLES	SM	TYPE	RELOCATION							
5672 K2P		INTEGER	REFS	1003	1072	1034	1040	1744	1048	1052
			1016	1064	1064	1068	1072	1076	1092	1096
			1096	1098	1100	1102	1104	1106	1108	1110
			1112	1114	1116	1118	1120	1122	1124	1126
			1128	1130	1132	1134	1136	1138	1140	1142
			1144	1146	1148	1150	1152	1154	1156	1158
			1160	1162	1164	1166	1168	1170	1172	1174
			1176	1178	1180	1182	1184	1186	1188	1190
			1192	1194	1196	1198	1200	1202	1204	1206
			1208	1210	1212	1214	1216	1218	1220	1222
			1224	1226	1228	1230	1232	1234	1236	1238
			1240	1242	1244	1246	1248	1250	1252	1254
			1256	1258	1260	1262	1264	1266	1268	1270
			1272	1274	1276	1278	1280	1282	1284	1286
			1288	1290	1292	1294	1296	1298	1300	1302
			1304	1306	1308	1310	1312	1314	1316	1318
			1320	1322	1324	1326	1328	1330	1332	1334
			1336	1338	1340	1342	1344	1346	1348	1350
			1352	1354	1356	1358	1360	1362	1364	1366
			1368	1370	1372	1374	1376	1378	1380	1382
			1384	1386	1388	1390	1392	1394	1396	1398
			1400	1402	1404	1406	1408	1410	1412	1414
			1416	1418	1420	1422	1424	1426	1428	1430
			1432	1434	1436	1438	1440	1442	1444	1446
			1448	1450	1452	1454	1456	1458	1460	1462
			1464	1466	1468	1470	1472	1474	1476	1478
			1480	1482	1484	1486	1488	1490	1492	1494
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S ROUTINE TIME			73/73	OPT=1	FTN 4.74070			79/01/04	21 26 07	PAGE	319
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0 TIME6	REAL				1335	DEFINED		1038	1098	1343	1344
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0 TIME8	REAL				1337	DEFINED		1040	1100	1345	1346
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0 TIME11	REAL				1340	DEFINED		1043	1103	1348	1349
0 TIME12	REAL				1341	DEFINED		1044	1104	1349	1350
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0 TIME14	REAL				1343	DEFINED		1046	1106	1351	1352
0 TIME15	REAL				1344	DEFINED		1047	1107	1352	1353
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0 TIME37	REAL				1366	DEFINED		1069	1129	1374	1375
0 TIME38	REAL				1367	DEFINED		1070	1130	1375	1376
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0 TIME42	REAL				1371	DEFINED		1074	1134	1379	1380
0 TIME43	REAL				1372	DEFINED		1075	1135	1380	1381
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SUBROUTINE XINT6			73/73	OPT=1	FTN 4 7-470			79/01/04	21 26 07	PAGE	320
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					1067	1068	1069	1070	1071	1072	1073
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					1095	1096	1097	1098	1099	1100	1101
					1102	1103	1104	1105	1106	1107	1108
					1109	1110	1111	1112	1113	1114	1115
					1116	1117	1118	1119	1120	1121	1122
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					1137	1138	1139	1140	1141	1142	1143
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					1389	1390	1391	1392	1393	1394	1395
					1396	1397	1398	1399	1400	1401	1402
					1403	1404	1405	1406	1407	1408	1409
					1410	1411	1412	1413	1414	1415	1416
					1417	1418	1419	1420	1421	1422	1423
					1424	1425	1426	1427	1428	1429	1430
					1431	1432	1433	1434	1435	1436	1437
					1438	1439	1440	1441	1442	1443	1444
					1445	1446	1447	1448	1449	1450	1451
					1452	1453	1454	1455	1456	1457	1458
					1459	1460	1461	1462	1463	1464	1465
					1466	1467	1468	1469	1470	1471	1472
					1473	1474	1475	1476	1477	1478	1479
					1480	1481	1482	1483	1484	1485	1486
					1487	1488	1489	1490	1491	1492	1493
					1494	1495	1496	1497	1498	1499	1500
					1501	1502	1503	1504	1505	1506	1507
					1508	1509	1510	1511	1512	1513	1514
					1515	1516	1517	1518	1519	1520	1521
					1522	1523	1524	1525	1526	1527	1528
					1529	1530	1531	1532	1533	1534	1535
					1536	1537	1538	1539	1540	1541	1542
					1543	1544	1545	1546	1547	1548	1549
					1550	1551	1552	1553	1554	1555	1556
					1557	1558	1559	1560	1561	1562	1563
					1564	1565	1566	1567	1568	1569	1570
					1571	1572	1573	1574	1575	1576	1577
					1578	1579	1580	1581	1582	1583	1584
					1585	1586	1587	1588	1589	1590	1591
					1592	1593	1594	1595	1596	1597	1598
					1599	1600	1601	1602	1603	1604	1605
					1606	1607	1608	1609	1610	1611	1612
					1613	1614	1615	1616	1617	1618	1619
					1620	1621	1622	1623	1624	1625	1626
					1627	1628	1629	1630	1631	1632	1633
					1634	1635	1636	1637	1638	1639	1640
					1641	1642	1643	1644	1645	1646	1647
					1648	1649	1650	1651	1652	1653	1654
					1655	1656	1657	1658	1659	1660	1661
					1662	1663	1664	1665	1666	1667	1668
					1669	1670	1671	1672	1673	1674	1675
					1676	1677	1678	1679	1680	1681	1682
					1683	1684	1685	1686	1687	1688	1689
					1690	1691	1692	1693	1694	1695	1696
					1697	1698	1699	1700	1701	1702	1703
					1704	1705	1706	1707	1708	1709	1710
					1711	1712	1713	1714	1715	1716	1717
					1718	1719	1720	1721	1722	1723	1724
					1725	1726	1727	1728	1729	1730	1731
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					1739	1740	1741	1742	1743	1744	1745
					1746	1747	1748	1749	1750	1751	1752
					1753	1754	1755	1756	1757	1758	1759
					1760	1761	1762	1763	1764	1765	1766
					1767	1768	1769	1770	1771	1772	1773
					1774	1775	1776	1777	1778	1779	1780
					1781	1782	1783	1784	1785	1786	1787
					1788	1789	1790	1791	1792	1793	1794
					1795	1796	1797	1798	1799	1800	1801
					1802	1803	1804	1805	1806	1807	1808
					1809	1810	1811	1812	1813	1814	1815
					1816	1817	1818	1819	1820	1821	1822
					1823	1824	1825	1826	1827	1828	1829
					1830	1831	1832	1833	1834	1835	1836
					1837	1838	1839	1840	1841	1842	1843
					1844	1845	1846	1847	1848	1849	1850
					1851	1852	1853	1854	1855	1856	1857
					1858	1859	1860	1861	1862	1863	1864
					1865	1866	1867	1868	1869	1870	1871
					1872	1873	1874	1875	1876	1877	1878
					1879	1880	1881	1882	1883	1884	1885
					1886	1887	1888	1889	1890	1891	1892
					1893	1894	1895	1896	1897	1898	1899
					1900	1901	1902	1903	1904	1905	1906
					1907	1908	1909	1910	1911	1912	1913
					1914	1915	1916	1917	1918	1919	1920
					1921	1922	1923	1924	1925	1926	1927
					1928	1929	1930	1931	1932	1933	1934
					1935	1936	1937	1938	1939	1940	1941
					1942	1943	1944	1945	1946	1947	1948
					1949	1950	1951	1952	1953	1954	1955
					1956	1957	1958	1959	1960	1961	1962
					1963	1964					


```
1 SUBROUTINE XINT7: SP2,P1,T191,T1231,T1241,T1201,T1221,T1251,
  T1261,T111,T12,T14,T16,T18,T11,T12,T14,T16,T18,T1201,T1201,
  T1201,T1221,T1221,T1221,T1221,T1221,T1221,T1221,T1221,T1221,
  T1221,T1221,T1221
5 COMMON/PH3/XB1(180),XB2(180),XB3(180),XB4(180),XB5(180),
  XB6(180),XB7(180),XB8(180),XB9(180),XB10(180),XB11(180),XB12(180),
  COMMON/PH4/XB13(180),XB14(180),XB15(180),XB16(180),XB17(180),XB18(180),
  XB19(180),XB20(180),XB21(180),XB22(180)
10 1111
  IF(SP2-XB111) 2,3,4
  IF(1 TO 11 GO TO 3)
  111-1
  GO TO 1
  IF(1 TO 34 GO TO 3)
  IF(SP2-XB111) 5,6,7
  111-1
  GO TO 4
  4 H=1+1
  GO TO 8
  20 1 DEL
  GO TO 8
  5 H=XB1-SP2-XB111+XB11+1+XB111
  JMIN=1-1155+1
  JMIN1=JMIN-5
  JMIN2=JMIN-1
  PHAN=SP1-5
  IF(PHAN LE 0) PHAN= 000001
  IF(JMIN LE 0) JMIN=0
  DEL=PHAN-PRINTS 25
  RT=0
  224 IF(P1-JMIN=DELRT) 225,226,227
  227 IF(1 GO 4) GO TO 226
  RT=RT+1
  GO TO 224
  226 RS=JMIN-RT
  RS1=JMIN-RT
  GO TO 300
  225 IF(1 GO 0) GO TO 226
  RS=JMIN-RT-1
  RS1=JMIN-RT-1
  RRP=RS-1
  RRP1=RS1-1
  RM=1-P1-JMIN=DEL9-RT-1+1/DEL
  D1=1-RM
  D2=1-RM
  D3=01802
  D4=HRED1
  D5=HRED1
  D6=HRED1
  50 T1231=018X11 (RS)+08X11 (RRP)+08X11 (RS1)+08X11 (RRP1)
  T1241=018X12 (RS)+08X12 (RRP)+08X12 (RS1)+08X12 (RRP1)
  T1251=018X13 (RS)+08X13 (RRP)+08X13 (RS1)+08X13 (RRP1)
  T1261=018X14 (RS)+08X14 (RRP)+08X14 (RS1)+08X14 (RRP1)
  T1201=018X15 (RS)+08X15 (RRP)+08X15 (RS1)+08X15 (RRP1)
  T1221=018X16 (RS)+08X16 (RRP)+08X16 (RS1)+08X16 (RRP1)
  T1221=018X17 (RS)+08X17 (RRP)+08X17 (RS1)+08X17 (RRP1)
  T1221=018X18 (RS)+08X18 (RRP)+08X18 (RS1)+08X18 (RRP1)
  T1221=018X19 (RS)+08X19 (RRP)+08X19 (RS1)+08X19 (RRP1)
  T1221=018X20 (RS)+08X20 (RRP)+08X20 (RS1)+08X20 (RRP1)
  T1221=018X21 (RS)+08X21 (RRP)+08X21 (RS1)+08X21 (RRP1)
  T1221=018X22 (RS)+08X22 (RRP)+08X22 (RS1)+08X22 (RRP1)
  GO TO 300
  300 D1=1-RM
  T1231=018X11 (RS)+HRED1 (RS1)
  T1241=018X12 (RS)+HRED1 (RS1)
  T1251=018X13 (RS)+HRED1 (RS1)
  T1261=018X14 (RS)+HRED1 (RS1)
  T1201=018X15 (RS)+HRED1 (RS1)
  T1221=018X16 (RS)+HRED1 (RS1)
  T1221=018X17 (RS)+HRED1 (RS1)
  T1221=018X18 (RS)+HRED1 (RS1)
  T1221=018X19 (RS)+HRED1 (RS1)
  T1221=018X20 (RS)+HRED1 (RS1)
  T1221=018X21 (RS)+HRED1 (RS1)
  T1221=018X22 (RS)+HRED1 (RS1)
  75 400 J1=1+1
  JIM=1+1
  IF(JIM GE 13) JIM = 13
  IF(JAC GE 12) JAC = 12
```


STATEMENT LABELS

DEF LINE REFERENCES

INACTIVE

11 14

INACTIVE

21

INACTIVE

32 38

INACTIVE

100 105

COMMON BLOCKS

LENGTH

MEMBERS - BIDS NAME LENGTH

PER 120

STATISTICS

PROGRAM LENGTH 7208
COMMON LENGTH 7728
62000 CM USED7208 644
7728 2326

80

TJIO+RIBIN:

IL
RETURN
ENDDECLA
DECLA
DECLA80
81
82

SYMBOLIC REFERENCE MAP 18:31

ENTRY POINTS DEF LINE REFERENCES
HINTS 1 2 82

VARIABLES	SN	TYPE	RELOCATION
123 01	01	REAL	E.P.
117 1		INTEGER	

REFS

61

61

DEFINED

61

62

63

REFS

61

61

DEFINED

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REFS

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DEFINED

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DEFINED

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63

STATEMENT LABELS

DEF LINE REFERENCES

STATEMENT LABELS	DEF LINE	REFERENCES
73 1	1	61
73 2	2	62
73 3	3	63
73 4	4	64
73 5	5	65
73 6	6	66
73 7	7	67
73 8	8	68
73 9	9	69
73 10	10	70
73 11	11	71
73 12	12	72
73 13	13	73
73 14	14	74
73 15	15	75
73 16	16	76
73 17	17	77
73 18	18	78
73 19	19	79
73 20	20	80
73 21	21	81
73 22	22	82
73 23	23	83
73 24	24	84
73 25	25	85
73 26	26	86
73 27	27	87
73 28	28	88
73 29	29	89
73 30	30	90
73 31	31	91
73 32	32	92
73 33	33	93
73 34	34	94
73 35	35	95
73 36	36	96
73 37	37	97
73 38	38	98
73 39	39	99
73 40	40	100

STATISTICS

PROGRAM LENGTH 4558
620008 CM USED

4558 100

00

11

90

31

1050

195

116

115

130

135

110

175

TIME

156

152

Case 3

SUBROUTINE XINT9			73/73	OPT=1	FTN 4 7-470		79/01/04	21 26 07	PAGE	J=1
VARIABLES	SM	TYPE	RELOCATION							
2230 D8	REAL		651	DEF INED	655	657	659	661	663	665
			652		656	658	660	662	664	666
2231 D9	REAL		653	DEF INED	657	659	661	663	665	667
			654		658	660	662	664	666	668
2172 I	INTEGER		655	DEF INED	659	661	663	665	667	669
			656		660	662	664	666	668	670
2173 I	INTEGER		657	DEF INED	661	663	665	667	669	671
			658		662	664	666	668	670	672
2174 ILL	INTEGER		659	DEF INED	663	665	667	669	671	673
2175 JMIN	INTEGER		660		664	666	668	670	672	674
2176 JMIN1	INTEGER		661		665	667	669	671	673	675
2213 NR	INTEGER		662		666	668	670	672	674	676
			663		667	669	671	673	675	677
2205 K2P	INTEGER		664	DEF INED	668	670	672	674	676	678
			665		669	671	673	675	677	679
			666		670	672	674	676	678	680
			667		671	673	675	677	679	681
			668		672	674	676	678	680	682
			669		673	675	677	679	681	683
			670		674	676	678	680	682	684
			671		675	677	679	681	683	685
			672		676	678	680	682	684	686
			673		677	679	681	683	685	687
			674		678	680	682	684	686	688
			675		679	681	683	685	687	689
			676		680	682	684	686	688	690
			677		681	683	685	687	689	691
			678		682	684	686	688	690	692
			679		683	685	687	689	691	693
			680		684	686	688	690	692	694
			681		685	687	689	691	693	695
			682		686	688	690	692	694	696
			683		687	689	691	693	695	697
			684		688	690	692	694	696	698
			685		689	691	693	695	697	699
			686		690	692	694	696	698	700
			687		691	693	695	697	699	701
			688		692	694	696	698	700	702
			689		693	695	697	699	701	703
			690		694	696	698	700	702	704
			691		695	697	699	701	703	705
			692		696	698	700	702	704	706
			693		697	699	701	703	705	707
			694		698	700	702	704	706	708
			695		699	701	703	705	707	709
			696		700	702	704	706	708	710
			697		701	703	705	707	709	711
			698		702	704	706	708	710	712
			699		703	705	707	709	711	713
			700		704	706	708	710	712	714
			701		705	707	709	711	713	715
			702		706	708	710	712	714	716
			703		707	709	711	713	715	717
			704		708	710	712	714	716	718
			705		709	711	713	715	717	719
			706		710	712	714	716	718	720
			707		711	713	715	717	719	721
			708		712	714	716	718	720	722
			709		713	715	717	719	721	723
			710		714	716	718	720	722	724
			711		715	717	719	721	723	725
			712		716	718	720	722	724	726
			713		717	719	721	723	725	727
			714		718	720	722	724	726	728
			715		719	721	723	725	727	729
			716		720	722	724	726	728	730
			717		721	723	725	727	729	731
			718		722	724	726	728	730	732
			719		723	725	727	729	731	733
			720		724	726	728	730	732	734
			721		725	727	729	731	733	735
			722		726	728	730	732	734	736
			723		727	729	731	733	735	737
			724		728	730	732	734	736	738
			725		729	731	733	735	737	739
			726		730	732	734	736	738	740
			727		731	733	735	737	739	741
			728		732	734	736	738	740	742
			729		733	735	737	739	741	743
			730		734	736	738	740	742	744
			731		735	737	739	741	743	745
			732		736	738	740	742	744	746
			733		737	739	741	743	745	747
			734		738	740	742	744	746	748
			735		739	741	743	745	747	749
			736		740	742	744	746	748	750
			737		741	743	745	747	749	751
			738		742	744	746	748	750	752
			739		743	745	747	749	751	753
			740		744	746	748	750	752	754
			741		745	747	749	751	753	755
			742		746	748	750	752	754	756
			743		747	749	751	753	755	757
			744		748	750	752	754	756	758
			745		749	751	753	755	757	759
			746		750	752	754	756	758	760
			747		751	753	755	757	759	761
			748		752	754	756	758	760	762
			749		753	755	757	759	761	763
			750		754	756	758	760	762	764
			751		755	757	759	761	763	765
			752		756	758	760	762	764	766
			753		757	759	761	763	765	767
			754		758	760	762	764	766	768
			755		759	761	763	765	767	769
			756		760	762	764	766	768	770
			757		761	763	765	767	769	771
			758		762	764	766	768	770	772
			759		763	765	767	769	771	773
			760		764	766	768	770	772	774
			761		765	767	769	771	773	775
			762		766	768	770	772	774	776
			763		767	769	771	773	775	777
			764		768	770	772	774	776	778
			765		769	771	773	775	777	779
			766		770	772	774	776	778	780
			767		771	773	775	777	779	781
			768		772	774	776	778	780	782
			769		773	775	777	779	781	783
			770		774	776	778	780	782	784
			771		775	777	779	781	783	785
			772		776	778	780	782	784	786
			773		777	779	781	783	785	787
			774		778	780	782	784	786	788
			775		779	781	783	785	787	789
			776		780	782	784	786	788	790
			777		781	783	785	787	789	791
			778		782	784	786	788	790	792
			779		783	785	787	789	791	793
			780		784	786	788	790	792	794
			781		785	787	789	791	793	795
			782		786	788	790	792	794	796
			783		787	789	791	793	795	797
			784		788	790	792	794	796	798
			785		789	791	793	795	797	799
			786		790	792	794	796	798	800
			787		791	793	795	797	799	801
			788		792	794	796	798	800	802
			789		793	795	797	799	801	803
			790		794	796	798	800	802	804
			791		795	797	799	801	803	805
			792		796	798	800	802	804	806
			793		797	799	801	803	805	807
			794		798	800	802	804	806	808
			795		799	801	803	805	807	809
			796		800	802	804	806	808	810
			797		801	803	805	807	809	811
			798		802	804	806	808	810	812
			799		803	805	807	809	811	813
			800		804	806	808	810	812	814
			801		805	807	809	811	813	815
			802		806	808	810	812	814	816
			803		807	809	811	813	815	817
			804		808	810	812	814	816	818
	</									

SUBROUTINE MINT9			73/73 OPT=1	FIN 4 74470	79/01/04 21 26 07	PAGE 342
VARIABLES	IN	TYPE	RELOCATION			
2216 ASIA	INTEGER		DEFINED	7116	7116	7116
2202 N1	INTEGER		DEFINED	7116	7116	7116
2172 M	INTEGER		DEFINED	7116	7116	7116
2173 P1	REAL	RUNUSED	DEFINED	7116	7116	7116
2174 BRANH	REAL		DEFINED	7116	7116	7116
2200 BRANH	REAL		DEFINED	7116	7116	7116
2210 BRANH	REAL		DEFINED	7116	7116	7116
2211 BRANH	REAL		DEFINED	7116	7116	7116
0 SP2	REAL	F P	DEFINED	7116	7116	7116
0 T110P	REAL	F P	DEFINED	7116	7116	7116
0 T111	REAL	F P	DEFINED	7116	7116	7116
0 T112	REAL	F P	DEFINED	7116	7116	7116
0 T113	REAL	F P	DEFINED	7116	7116	7116
0 T114	REAL	F P	DEFINED	7116	7116	7116
0 T17P	REAL	F P	DEFINED	7116	7116	7116
0 T18P	REAL	F P	DEFINED	7116	7116	7116
0 T19P	REAL	F P	DEFINED	7116	7116	7116
0 T210P	REAL	F P	DEFINED	7116	7116	7116
0 T211	REAL	F P	DEFINED	7116	7116	7116
0 T212	REAL	F P	DEFINED	7116	7116	7116
0 T213	REAL	F P	DEFINED	7116	7116	7116
0 T214	REAL	F P	DEFINED	7116	7116	7116
0 T27P	REAL	F P	DEFINED	7116	7116	7116
0 T28P	REAL	F P	DEFINED	7116	7116	7116
0 T29P	REAL	F P	DEFINED	7116	7116	7116
2224 M11	REAL	ARRAY	DEFINED	7116	7116	7116
6647 M110	REAL	ARRAY	DEFINED	7116	7116	7116
6072 M111	REAL	ARRAY	DEFINED	7116	7116	7116
6376 M112	REAL	ARRAY	DEFINED	7116	7116	7116
6700 M113	REAL	ARRAY	DEFINED	7116	7116	7116
7203 M114	REAL	ARRAY	DEFINED	7116	7116	7116
7606 M116	REAL	ARRAY	DEFINED	7116	7116	7116
10011 M116	REAL	ARRAY	DEFINED	7116	7116	7116
2637 M12	REAL	ARRAY	DEFINED	7116	7116	7116
3042 M13	REAL	ARRAY	DEFINED	7116	7116	7116

SUBROUTINE XINTS				73/73	OPT=1	FTN # 74470	79/01/04	21 26 07	PAGE	343
ADDRESS	SM	TYPE	RELOCATION							
1145	X14	REAL	ARRAY	28843	860	DEFINED	77	86		
1460	X15	REAL	ARRAY	28844	861	DEFINED	80677	80718	28736	48793
4153	X16	REAL	ARRAY	28845	862	DEFINED	112	121	28737	48794
4654	X17	REAL	ARRAY	28846	863	DEFINED	80678	80719	28738	48795
4761	X18	REAL	ARRAY	28847	864	DEFINED	80679	80720	28739	48796
5264	X19	REAL	ARRAY	28848	865	DEFINED	80680	80721	28740	48797
2207	HL	REAL		28849	866	DEFINED	80681	80722	28741	48798
				28850	867	DEFINED	80682	80723	28742	48799
				28851	868	DEFINED	80683	80724	28743	48800
				28852	869	DEFINED	80684	80725	28744	48801
				28853	870	DEFINED	80685	80726	28745	48802
				28854	871	DEFINED	80686	80727	28746	48803
				28855	872	DEFINED	80687	80728	28747	48804
				28856	873	DEFINED	80688	80729	28748	48805
				28857	874	DEFINED	80689	80730	28749	48806
				28858	875	DEFINED	80690	80731	28750	48807
				28859	876	DEFINED	80691	80732	28751	48808
				28860	877	DEFINED	80692	80733	28752	48809
				28861	878	DEFINED	80693	80734	28753	48810
				28862	879	DEFINED	80694	80735	28754	48811
				28863	880	DEFINED	80695	80736	28755	48812
				28864	881	DEFINED	80696	80737	28756	48813
				28865	882	DEFINED	80697	80738	28757	48814
				28866	883	DEFINED	80698	80739	28758	48815
				28867	884	DEFINED	80699	80740	28759	48816
				28868	885	DEFINED	80700	80741	28760	48817
				28869	886	DEFINED	80701	80742	28761	48818
				28870	887	DEFINED	80702	80743	28762	48819
				28871	888	DEFINED	80703	80744	28763	48820
				28872	889	DEFINED	80704	80745	28764	48821
				28873	890	DEFINED	80705	80746	28765	48822
				28874	891	DEFINED	80706	80747	28766	48823
				28875	892	DEFINED	80707	80748	28767	48824
				28876	893	DEFINED	80708	80749	28768	48825
				28877	894	DEFINED	80709	80750	28769	48826
				28878	895	DEFINED	80710	80751	28770	48827
				28879	896	DEFINED	80711	80752	28771	48828
				28880	897	DEFINED	80712	80753	28772	48829
				28881	898	DEFINED	80713	80754	28773	48830
				28882	899	DEFINED	80714	80755	28774	48831
				28883	900	DEFINED	80715	80756	28775	48832
				28884	901	DEFINED	80716	80757	28776	48833
				28885	902	DEFINED	80717	80758	28777	48834
				28886	903	DEFINED	80718	80759	28778	48835
				28887	904	DEFINED	80719	80760	28779	48836
				28888	905	DEFINED	80720	80761	28780	48837
				28889	906	DEFINED	80721	80762	28781	48838
				28890	907	DEFINED	80722	80763	28782	48839
				28891	908	DEFINED	80723	80764	28783	48840
				28892	909	DEFINED	80724	80765	28784	48841
				28893	910	DEFINED	80725	80766	28785	48842
				28894	911	DEFINED	80726	80767	28786	48843
				28895	912	DEFINED	80727	80768	28787	48844
				28896	913	DEFINED	80728	80769	28788	48845
				28897	914	DEFINED	80729	80770	28789	48846
				28898	915	DEFINED	80730	80771	28790	48847
				28899	916	DEFINED	80731	80772	28791	48848
				28900	917	DEFINED	80732	80773	28792	48849
				28901	918	DEFINED	80733	80774	28793	48850
				28902	919	DEFINED	80734	80775	28794	48851
				28903	920	DEFINED	80735	80776	28795	48852
				28904	921	DEFINED	80736	80777	28796	48853
				28905	922	DEFINED	80737	80778	28797	48854
				28906	923	DEFINED	80738	80779	28798	48855
				28907	924	DEFINED	80739	80780	28799	48856
				28908	925	DEFINED	80740	80781	28800	48857
				28909	926	DEFINED	80741	80782	28801	48858
				28910	927	DEFINED	80742	80783	28802	48859
				28911	928	DEFINED	80743	80784	28803	48860
				28912	929	DEFINED	80744	80785	28804	48861
				28913	930	DEFINED	80745	80786	28805	48862
				28914	931	DEFINED	80746	80787	28806	48863
				28915	932	DEFINED	80747	80788	28807	48864
				28916	933	DEFINED	80748	80789	28808	48865
				28917	934	DEFINED	80749	80790	28809	48866
				28918	935	DEFINED	80750	80791	28810	48867
				28919	936	DEFINED	80751	80792	28811	48868
				28920	937	DEFINED	80752	80793	28812	48869
				28921	938	DEFINED	80753	80794	28813	48870
				28922	939	DEFINED	80754	80795	28814	48871
				28923	940	DEFINED	80755	80796	28815	48872
				28924	941	DEFINED	80756	80797	28816	48873
				28925	942	DEFINED	80757	80798	28817	48874
				28926	943	DEFINED	80758	80799	28818	48875
				28927	944	DEFINED	80759	80800	28819	48876
				28928	945	DEFINED	80760	80801	28820	48877
				28929	946	DEFINED	80761	80802	28821	48878
				28930	947	DEFINED	80762	80803	28822	48879
				28931	948	DEFINED	80763	80804	28823	48880
				28932	949	DEFINED	80764	80805	28824	48881
				28933	950	DEFINED	80765	80806	28825	48882
				28934	951	DEFINED	80766	80807	28826	48883
				28935	952	DEFINED	80767	80808	28827	48884
				28936	953	DEFINED	80768	80809	28828	48885
				28937	954	DEFINED	80769	80810	28829	48886
				28938	955	DEFINED	80770	80811	28830	48887
				28939	956	DEFINED	80771	80812	28831	48888
				28940	957	DEFINED	80772	80813	28832	48889
				28941	958	DEFINED	80773	80814	28833	48890
				28942	959	DEFINED	80774	80815	28834	48891
				28943	960	DEFINED	80775	80816	28835	48892
				28944	961	DEFINED	80776	80817	28836	48893
				28945	962	DEFINED	80777	80818	28837	48894
				28946	963	DEFINED	80778	80819	28838	48895
				28947	964	DEFINED	80779	80820	28839	48896
				28948	965	DEFINED	80780	80821	28840	48897
				28949	966	DEFINED	80781	80822	28841	48898
				28950	967	DEFINED	80782	80823	28842	48899
				28951	968	DEFINED	80783	80824	28843	48900
				28952	969	DEFINED	80784	80825	28844	48901
				28953	970	DEFINED	80785	80826	28845	48902
				28954	971	DEFINED	80786	80827	28846	48903
				28955	972	DEFINED	80787	80828	28847	48904
				28956	973	DEFINED	80788	80829	28848	48905
				28957	974	DEFINED	80789	80830	28849	48906
				28958	975	DEFINED	80790	80831	28850	48907
				28959	976	DEFINED	80791	80832	28851	48908
				28960	977	DEFINED	80792	80833	28852	48909
				28961	978	DEFINED	80793	80834	28853	48910
				28962	979	DEFINED	80794	80835	28854	48911
				28963	980	DEFINED	80795	80836	28855	48912
				28964	981	DEFINED	80796	80837	28856	48913
				28965	982	DEFINED	80797	80838	28857	48914
				28966	983	DEFINED	80798	80839	28858	48915
				28967	984	DEFINED	80799	80840	28859	48916
				28968	985	DEFINED	80800	80841	28860	48917
				28969	986	DEFINED	80801	80842	28861	48918
				28970	987	DEFINED	80802	80843	28862	48919
				28971	988	DEFINED	80803	80844	28863	48920
				28972	989	DEFINED	80804	80845	28864	48921
				28973	990	DEFINED	80805	80846	28865	48922
				28974	991	DEFINED	80806	80847	28866	48923
				28975	992	DEFINED	80807	80848	28867	48924
				28976	993	DEFINED	80808	80849	28868	48925
				28977	994	DEFINED	80809	80850	28869	48926
				28978	995	DEFINED	80810	80851	28870	48927
				28979	996	DEFINED	80811	80852	28871	48928
				28980	997	DEFINED	80812	80853	28872	48929
				28981	998	DEFINED	80813	80854	28873	48930
				28982	999	DEFINED	80814	80855	28874	48931
				28983	1000	DEFINED	80815	80856	28875	

160	K	09312	08972	08972	17412	17412	17412	MOD1	25
	K	23767	11110	11110	07887	07887	07887	MOD1	26
	K	29228	11221	11221	07887	07887	07887	MOD1	27
	K	11108	11221	11221	07887	07887	07887	MOD1	28
	K	17780	11221	11221	07887	07887	07887	MOD1	29
	K	04211	01218	01218	07188	07188	07188	MOD1	30
165	K	10146	09410	08800	11817	11817	11817	MOD1	31
	K	11123	11210	11210	08998	08998	08998	MOD1	32
	DATA (X111) JEL 1, JEL 109, 1951/								
	K	00175	00175	00175	08998	08998	08998	MOD1	33
	K	00175	00175	00175	08998	08998	08998	MOD1	34
170	K	00175	00175	00175	08998	08998	08998	MOD1	35
	K	00175	00175	00175	08998	08998	08998	MOD1	36
	K	00175	00175	00175	08998	08998	08998	MOD1	37
	K	00175	00175	00175	08998	08998	08998	MOD1	38
	K	00175	00175	00175	08998	08998	08998	MOD1	39
175	K	00175	00175	00175	08998	08998	08998	MOD1	40
	K	00175	00175	00175	08998	08998	08998	MOD1	41
	K	00175	00175	00175	08998	08998	08998	MOD1	42
	K	00175	00175	00175	08998	08998	08998	MOD1	43
	K	00175	00175	00175	08998	08998	08998	MOD1	44
180	K	00175	00175	00175	08998	08998	08998	MOD1	45
	K	00175	00175	00175	08998	08998	08998	MOD1	46
	K	00175	00175	00175	08998	08998	08998	MOD1	47
	K	00175	00175	00175	08998	08998	08998	MOD1	48
	DATA (X111) JEL 1, JEL 109, 1951/								
	K	00000	00000	00000	08770	08159	07444	MOD1	49
185	K	14596	14146	13611	16799	16799	16799	MOD1	50
	K	17010	17010	17010	00000	00000	00000	MOD1	51
	K	14596	14146	13611	16799	16799	16799	MOD1	52
	K	24590	24671	24671	24671	24671	24671	MOD1	53
	K	00000	00000	00000	24671	24671	24671	MOD1	54
190	K	14596	14146	13611	16799	16799	16799	MOD1	55
	K	17010	17010	17010	00000	00000	00000	MOD1	56
	K	14596	14146	13611	16799	16799	16799	MOD1	57
	K	24590	24671	24671	24671	24671	24671	MOD1	58
	K	00000	00000	00000	24671	24671	24671	MOD1	59
195	K	14596	14146	13611	16799	16799	16799	MOD1	60
	K	17010	17010	17010	00000	00000	00000	MOD1	61
	K	07568	07369	06907	09626	09391	09205	MOD1	62
	K	10226	10201	10161	10289	10289	10289	MOD1	63
	K	01852	01671	01671	07444	07444	07444	MOD1	64
200	K	04954	04846	04668	08378	08378	08378	MOD1	65
	K	05408	05408	05407	00191	00096	00634	MOD1	66
	DATA (X111) JEL 1, JEL 109, 1951/								
	K	01427	01185	00951	02192	01977	01929	MOD1	67
	K	02143	02143	02117	02175	02175	02175	MOD1	68
205	K	00175	00175	00175	00175	00175	00175	MOD1	69
	K	00175	00175	00175	00175	00175	00175	MOD1	70
	K	00175	00175	00175	00175	00175	00175	MOD1	71
	K	00175	00175	00175	00175	00175	00175	MOD1	72
	K	00175	00175	00175	00175	00175	00175	MOD1	73
210	K	00175	00175	00175	00175	00175	00175	MOD1	74
	K	00175	00175	00175	00175	00175	00175	MOD1	75
	K	00175	00175	00175	00175	00175	00175	MOD1	76
	K	00175	00175	00175	00175	00175	00175	MOD1	77
	K	00175	00175	00175	00175	00175	00175	MOD1	78
	K	00175	00175	00175	00175	00175	00175	MOD1	79
215	K	00175	00175	00175	00175	00175	00175	MOD1	80
	K	00175	00175	00175	00175	00175	00175	MOD1	81
	K	00175	00175	00175	00175	00175	00175	MOD1	82
	K	00175	00175	00175	00175	00175	00175	MOD1	83
	DATA (X111) JEL 1, JEL 109, 1951/								
220	K	00000	00000	00000	06777	06322	06849	MOD1	84
	K	10402	10222	09970	11178	11166	11115	MOD1	85
	K	11200	11200	11200	00000	00000	00000	MOD1	86
	K	12899	12781	12664	17747	17705	17661	MOD1	87
	K	18091	18091	18091	18091	18091	18091	MOD1	88
225	K	00000	00000	00000	18800	18800	18800	MOD1	89
	K	24464	24464	24464	24464	24464	24464	MOD1	90
	K	24464	24464	24464	24464	24464	24464	MOD1	91
	K	24464	24464	24464	24464	24464	24464	MOD1	92
	K	24464	24464	24464	24464	24464	24464	MOD1	93
	K	24464	24464	24464	24464	24464	24464	MOD1	94
230	K	05700	05396	05212	09383	09269	09122	MOD1	95
	K	11201	10859	10859	11178	11197	11190	MOD1	96
	K	04733	04619	04477	09880	09880	09880	MOD1	97
	K	05700	05698	05695	05701	05701	05701	MOD1	98
	K	05700	05698	05695	05701	05701	05701	MOD1	99
235	K	01190	01190	01190	01708	01708	01708	MOD1	100
	K	01190	01190	01190	01190	01190	01190	MOD1	101
	K	01190	01190	01190	01190	01190	01190	MOD1	102
	DATA (X111) JEL 1, JEL 109, 1951/								
	K	01190	01190	01190	01190	01190	01190	MOD1	103

	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	657
	GO TO 700	MOD1	658
500	0141 = 1	MOD1	659
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	660
795	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	661
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	662
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	663
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	664
800	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	665
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	666
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	667
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	668
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	669
805	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	670
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	671
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	672
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	673
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	674
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	675
810	GO TO 700	MOD1	676
	END	MOD1	677
	IF (XN-DEL1) 346, 346, 347	MOD1	678
	IF (XN-DEL2) 346, 346, 347	MOD1	679
815	346	MOD1	680
	GO TO 346	MOD1	681
	346	MOD1	682
	GO TO 600	MOD1	683
	346	MOD1	684
820	IF (XN-DEL1) 346, 346, 347	MOD1	685
	IF (XN-DEL2) 346, 346, 347	MOD1	686
	346	MOD1	687
	GO TO 600	MOD1	688
	346	MOD1	689
	GO TO 600	MOD1	690
	346	MOD1	691
	GO TO 600	MOD1	692
	346	MOD1	693
	GO TO 600	MOD1	694
	346	MOD1	695
820	IF (XN-DEL1) 346, 346, 347	MOD1	696
	IF (XN-DEL2) 346, 346, 347	MOD1	697
	346	MOD1	698
	GO TO 600	MOD1	699
	346	MOD1	700
	GO TO 600	MOD1	701
	346	MOD1	702
	GO TO 600	MOD1	703
	346	MOD1	704
	GO TO 600	MOD1	705
840	GO TO 700	MOD1	706
600	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	707
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	708
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	709
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	710
845	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	711
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	712
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	713
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	714
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	715
850	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	716
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	717
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	718
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	719
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	720
855	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	721
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	722
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	723
	TJ14P = 012X116(KE) + 048X116(KE) + 052X116(KE) + 062X116(KE)	MOD1	724
700	END	MOD1	725

SYMBOLIC REFERENCE MAP (R+J)

ENTRY POINTS	DEF LINE	REFERENCES
1 KINT10	1	858

[illegible]

VARIABLES		SM	TYPE	SELECTION		ADDRESS									
2124	KAP		INTEGER			814	811	817	821	876	877	879	881		
						815	812	818	822	877	882	883	884		
						816	813	819	823	878	883	884	885		
						817	814	820	824	879	884	885	886		
						818	815	821	825	880	885	886	887		
						819	816	822	826	881	886	887	888		
						820	817	823	827	882	887	888	889		
						821	818	824	828	883	888	889	890		
						822	819	825	829	884	889	890	891		
						823	820	826	830	885	890	891	892		
						824	821	827	831	886	891	892	893		
						825	822	828	832	887	892	893	894		
						826	823	829	833	888	893	894	895		
						827	824	830	834	889	894	895	896		
						828	825	831	835	890	895	896	897		
						829	826	832	836	891	896	897	898		
						830	827	833	837	892	897	898	899		
						831	828	834	838	893	898	899	900		
						832	829	835	839	894	899	900	901		
						833	830	836	840	895	900	901	902		
						834	831	837	841	896	901	902	903		
						835	832	838	842	897	902	903	904		
						836	833	839	843	898	903	904	905		
						837	834	840	844	899	904	905	906		
						838	835	841	845	900	905	906	907		
						839	836	842	846	901	906	907	908		
						840	837	843	847	902	907	908	909		
						841	838	844	848	903	908	909	910		
						842	839	845	849	904	909	910	911		
						843	840	846	850	905	910	911	912		
						844	841	847	851	906	911	912	913		
						845	842	848	852	907	912	913	914		
						846	843	849	853	908	913	914	915		
						847	844	850	854	909	914	915	916		
						848	845	851	855	910	915	916	917		
						849	846	852	856	911	916	917	918		
						850	847	853	857	912	917	918			

SUBROUTINE KINTIO		73/73	OPT=1	FTN 4 7-470		79/01/04	21 26 07	PAGE	357		
NAME	SM	TYPE	RELOCATION								
0	T111P	REAL	F P	DEF INED	845	643	676	713	731	780	798
0	T112P	REAL	F P	DEF INED	846	645	677	714	732	781	799
0	T113P	REAL	F P	DEF INED	847	647	678	715	733	782	800
0	T114P	REAL	F P	DEF INED	848	649	679	716	734	783	801
0	T115P	REAL	F P	DEF INED	849	651	681	709	737	776	794
0	T116P	REAL	F P	DEF INED	850	652	682	710	738	777	795
0	T117P	REAL	F P	DEF INED	851	654	684	711	739	778	796
0	T118P	REAL	F P	DEF INED	852	657	687	720	739	787	806
0	T119P	REAL	F P	DEF INED	853	659	689	721	739	788	806
0	T120P	REAL	F P	DEF INED	854	661	691	722	740	789	807
0	T121P	REAL	F P	DEF INED	855	663	693	723	741	790	808
0	T122P	REAL	F P	DEF INED	856	665	695	724	742	791	809
0	T123P	REAL	F P	DEF INED	857	667	697	725	743	792	810
0	T124P	REAL	F P	DEF INED	858	669	699	726	744	793	811
0	T125P	REAL	F P	DEF INED	859	671	701	727	745	794	812
0	T126P	REAL	F P	DEF INED	860	673	703	728	746	795	813
0	T127P	REAL	F P	DEF INED	861	675	705	729	747	796	814
0	T128P	REAL	F P	DEF INED	862	677	707	730	748	797	815
0	T129P	REAL	F P	DEF INED	863	679	709	731	749	798	816
0	T130P	REAL	F P	DEF INED	864	681	711	732	750	799	817
0	T131P	REAL	F P	DEF INED	865	683	713	733	751	800	818
0	T132P	REAL	F P	DEF INED	866	685	715	734	752	801	819
0	T133P	REAL	F P	DEF INED	867	687	717	735	753	802	820
0	T134P	REAL	F P	DEF INED	868	689	719	736	754	803	821
0	T135P	REAL	F P	DEF INED	869	691	721	737	755	804	822
0	T136P	REAL	F P	DEF INED	870	693	723	738	756	805	823
0	T137P	REAL	F P	DEF INED	871	695	725	739	757	806	824
0	T138P	REAL	F P	DEF INED	872	697	727	740	758	807	825
0	T139P	REAL	F P	DEF INED	873	699	729	741	759	808	826
0	T140P	REAL	F P	DEF INED	874	701	731	742	760	809	827
0	T141P	REAL	F P	DEF INED	875	703	733	743	761	810	828
0	T142P	REAL	F P	DEF INED	876	705	735	744	762	811	829
0	T143P	REAL	F P	DEF INED	877	707	737	745	763	812	830
0	T144P	REAL	F P	DEF INED	878	709	739	746	764	813	831
0	T145P	REAL	F P	DEF INED	879	711	741	747	765	814	832
0	T146P	REAL	F P	DEF INED	880	713	743	748	766	815	833
0	T147P	REAL	F P	DEF INED	881	715	745	749	767	816	834
0	T148P	REAL	F P	DEF INED	882	717	747	750	768	817	835
0	T149P	REAL	F P	DEF INED	883	719	749	751	769	818	836
0	T150P	REAL	F P	DEF INED	884	721	751	752	770	819	837
0	T151P	REAL	F P	DEF INED	885	723	753	753	771	820	838
0	T152P	REAL	F P	DEF INED	886	725	755	754	772	821	839
0	T153P	REAL	F P	DEF INED	887	727	757	755	773	822	840
0	T154P	REAL	F P	DEF INED	888	729	759	756	774	823	841
0	T155P	REAL	F P	DEF INED	889	731	761	757	775	824	842
0	T156P	REAL	F P	DEF INED	890	733	763	758	776	825	843
0	T157P	REAL	F P	DEF INED	891	735	765	759	777	826	844
0	T158P	REAL	F P	DEF INED	892	737	767	760	778	827	845
0	T159P	REAL	F P	DEF INED	893	739	769	761	779	828	846
0	T160P	REAL	F P	DEF INED	894	741	771	762	780	829	847
0	T161P	REAL	F P	DEF INED	895	743	773	763	781	830	848
0	T162P	REAL	F P	DEF INED	896	745	775	764	782	831	849
0	T163P	REAL	F P	DEF INED	897	747	777	765	783	832	850
0	T164P	REAL	F P	DEF INED	898	749	779	766	784	833	851
0	T165P	REAL	F P	DEF INED	899	751	781	767	785	834	852
0	T166P	REAL	F P	DEF INED	900	753	783	768	786	835	853
0	T167P	REAL	F P	DEF INED	901	755	785	769	787	836	854
0	T168P	REAL	F P	DEF INED	902	757	787	770	788	837	855
0	T169P	REAL	F P	DEF INED	903	759	789	771	789	838	856
0	T170P	REAL	F P	DEF INED	904	761	791	772	790	839	857
0	T171P	REAL	F P	DEF INED	905	763	793	773	791	840	858
0	T172P	REAL	F P	DEF INED	906	765	795	774	792	841	859
0	T173P	REAL	F P	DEF INED	907	767	797	775	793	842	860
0	T174P	REAL	F P	DEF INED	908	769	799	776	794	843	861
0	T175P	REAL	F P	DEF INED	909	771	801	777	795	844	862
0	T176P	REAL	F P	DEF INED	910	773	803	778	796	845	863
0	T177P	REAL	F P	DEF INED	911	775	805	779	797	846	864
0	T178P	REAL	F P	DEF INED	912	777	807	780	798	847	865
0	T179P	REAL	F P	DEF INED	913	779	809	781	799	848	866
0	T180P	REAL	F P	DEF INED	914	781	811	782	800	849	867
0	T181P	REAL	F P	DEF INED	915	783	813	783	801	850	868
0	T182P	REAL	F P	DEF INED	916	785	815	784	802	851	869
0	T183P	REAL	F P	DEF INED	917	787	817	785	803	852	870
0	T184P	REAL	F P	DEF INED	918	789	819	786	804	853	871
0	T185P	REAL	F P	DEF INED	919	791	821	787	805	854	872
0	T186P	REAL	F P	DEF INED	920	793	823	788	806	855	873
0	T187P	REAL	F P	DEF INED	921	795	825	789	807	856	874
0	T188P	REAL	F P	DEF INED	922	797	827	790	808	857	875
0	T189P	REAL	F P	DEF INED	923	799	829	791	809	858	876
0	T190P	REAL	F P	DEF INED	924	801	831	792	810	859	877
0	T191P	REAL	F P	DEF INED	925	803	833	793	811	860	878
0	T192P	REAL	F P	DEF INED	926	805	835	794	812	861	879
0	T193P	REAL	F P	DEF INED	927	807	837	795	813	862	880
0	T194P	REAL	F P	DEF INED	928	809	839	796	814	863	881
0	T195P	REAL	F P	DEF INED	929	811	841	797	815	864	882
0	T196P	REAL	F P	DEF INED	930	813	843	798	816	865	883
0	T197P	REAL	F P	DEF INED	931	815	845	799	817	866	884
0	T198P	REAL	F P	DEF INED	932	817	847	800	818	867	885
0	T199P	REAL	F P	DEF INED	933	819	849	801	819	868	886
0	T200P	REAL	F P	DEF INED	934	821	851	802	820	869	887
0	T201P	REAL	F P	DEF INED	935	823	853	803	821	870	888
0	T202P	REAL	F P	DEF INED	936	825	855	804	822	871	889
0	T203P	REAL	F P	DEF INED	937	827	857	805	823	872	890
0	T204P	REAL	F P	DEF INED	938	829	859	806	824	873	891
0	T205P	REAL	F P	DEF INED	939	831	861	807	825	874	892
0	T206P	REAL	F P	DEF INED	940	833	863	808	826	875	893
0	T207P	REAL	F P	DEF INED	941	835	865	809	827	876	894
0	T208P	REAL	F P	DEF INED	942	837	867	810	828	877	895
0	T209P	REAL	F P	DEF INED	943	839	869	811	829	878	896
0	T210P	REAL	F P	DEF INED	944	841	871	812	830	879	897
0	T211P	REAL	F P	DEF INED	945	843	873	813	831	880	898
0	T212P	REAL	F P	DEF INED	946	845	875	814	832	881	899
0	T213P	REAL	F P	DEF INED	947	847	877	815	833	882	900
0	T214P	REAL	F P	DEF INED	948	849	879	816	834	883	901
0	T215P	REAL	F P	DEF INED	949	851	881	817	835	884	902
0	T216P	REAL	F P	DEF INED	950	853	883	818	836	885	903
0	T217P	REAL	F P	DEF INED	951	855	885	819	837	886	904
0	T218P	REAL	F P	DEF INED	952	857	887	820	838	887	905
0	T219P	REAL	F P	DEF INED	953	859	889	821	839	888	906
0	T220P	REAL	F P	DEF INED	954	861	891	822	840	889	907
0	T221P	REAL	F P	DEF INED	955	863	893	823	841	890	908
0	T222P	REAL	F P	DEF INED	956	865	895	824	842	891	909
0	T223P	REAL	F P	DEF INED	957	867	897	825	843	892	910
0	T224P	REAL	F P	DEF INED	958	869	899	826	844	893	911
0	T225P	REAL	F P	DEF INED	959	871	901	827	845	894	912
0	T226P	REAL	F P	DEF INED	960	873	903	828	846	895	913
0	T227P	REAL	F P	DEF INED	961	875	905	829	847	896	914
0	T228P	REAL	F P	DEF INED	962	877	907	830	848	897	915
0	T229P	REAL	F P	DEF INED	963	879	909	831	849	898	916
0	T230P	REAL	F P	DEF INED	964	881	911	832	850	899	917
0	T231P	REAL	F P	DEF INED	965	883	913	833	851	900	918
0	T232P	REAL	F P	DEF INED	966	885	915	834	852	901	919
0	T233P	REAL	F P	DEF INED	967	887	917	835	853	902	920
0	T234P	REAL	F P	DEF INED	968	889	919	836	854	903	921
0	T235P	REAL	F P	DEF INED	969	891	921	837	855	904	922
0	T236P	REAL	F P	DEF INED	970	893	923	838	856	905	923
0	T237P	REAL	F P	DEF INED	971	895	925	839	857	9	

STATEMENT	LABELS	DEF	LINE	REFERENCES	DEFINED	623	702	769	821
100	100	INACTIVE	676	677	676	679			
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108	108	INACTIVE	685	686	685				
109	109	INACTIVE	686	687	686				
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112	112	INACTIVE	689	690	689				
113	113	INACTIVE	690	691	690				
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116	116	INACTIVE	693	694	693				
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273	273	INACTIVE	850	851	850				
274	274	INACTIVE	851	852	8				

VARIABLES	SM	TYPE	RELOCATION	DEFINITION	624	642	672	682	623	633
Q T117	REAL		F P	DEFINED	624	642	672	682	623	633
Q T118	REAL		F P	DEFINED	626	644	673	683	624	634
Q T119	REAL		F P	DEFINED	628	646	674	684	626	636
Q T116	REAL		F P	DEFINED	630	648	676	686	628	638
Q T117	REAL		F P	DEFINED	632	647	676	686	627	637
Q T118	REAL		F P	DEFINED	634	648	677	687	628	638
1267 H11	REAL	ARRAY	F26	DEFINED	640	648	677	687	629	639
1762 H12	REAL	ARRAY		DEFINED	640	648	677	687	629	639
2456 H13	REAL	ARRAY		DEFINED	640	648	677	687	629	639
3180 H14	REAL	ARRAY		DEFINED	640	648	677	687	629	639
3643 H16	REAL	ARRAY		DEFINED	640	648	677	687	629	639
4226 H16	REAL	ARRAY		DEFINED	640	648	677	687	629	639
5031 H17	REAL	ARRAY		DEFINED	640	648	677	687	629	639
6624 H18	REAL	ARRAY		DEFINED	640	648	677	687	629	639
1248 H1	REAL			DEFINED	640	648	677	687	629	639
Q H1	REAL		F P	DEFINED	640	648	677	687	629	639
1218 H1	REAL			DEFINED	640	648	677	687	629	639
1293 H0	REAL			DEFINED	640	648	677	687	629	639

STATEMENT LABELS	DEF LINE	REFERENCES
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1316 INACTIVE	9	

STATEMENT LABELS

DEF. LINE

REFERENCES

STATEMENT LABELS	DEF. LINE	REFERENCES
1123 247	641	641
1124 400	640	679
1125 600	630	608
1126 608	641	679
1217 700	649	630

COMMON BLOCKS	LENGTH	MEMBERS	-	DIRS	NAME	LENGTH
PA	21	0	NR		1211	

STATISTICS

PROGRAM	LENGTH
CM LABELS	62179
COMMON LENGTH	3215

CM LABELS

COMMON LENGTH

3215

31

62000 CM USED

01	CR	27	159
01	CR	27	160
01	CR	27	161
01	CR	27	162
01	CR	27	163
01	CR	27	164
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NO07			1
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01	CR	27	212
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1002	03	0101
1001	01	0101

REFS	209	210	DEFINED	204	207		
REFS	209	DEFINED	205	208	DEFINED	19	
REFS	44	2867	133	2142	DEFINED	47	48
REFS	42	43	44	45	46	47	48
49	50	51	70	71	88	89	90
91	92	93	94	95	96	97	98
99	100	107	108	140	145	146	147
148	149	150	151	152	153	154	155
174	176	177	DEFINED	41	66	87	100
163	170						
REFS	70	72	105	107	108	174	176
DEFINED	69	101	171				
REFS	74	75	76	77	78	79	80

SUBROUTINE KINT11			73/73	OPT=1	FTN # 74970		79/01/04	21 26 07	PAGE	376
VARIABLES	SM	TYPE	DECLARATION							
1041	0	T1213	REAL	ARRAY	F P	DEFINED	187			
		T1214	REAL			REF 187	112	181	28188	DEFINED 75 89
1042	0	T1215	REAL		F P	DEFINED	188			
		T1216	REAL	ARRAY	F P	DEFINED	113	182	28189	DEFINED 76 90
1043	0	T1217	REAL		F P	DEFINED	189			
		T1218	REAL	ARRAY	F P	DEFINED	114	183	28190	DEFINED 77 91
1044	0	T1219	REAL		F P	DEFINED	190			
		T1220	REAL		F P	DEFINED	200			
		T1221	REAL		F P	DEFINED	201			
		T1222	REAL		F P	DEFINED	202			
		T1223	REAL		F P	DEFINED	203			
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		T1349	REAL		F P	DEFINED	329			
		T1350	REAL		F P	DEFINED	330			
		T1351	REAL		F P	DEFINED	331			
		T1352	REAL		F P	DEFINED	332			
		T1353	REAL		F P	DEFINED	333			
		T1354	REAL		F P	DEFINED	334			
		T1355	REAL		F P	DEFINED	335			
		T1356	REAL		F P	DEFINED	336			
		T1357	REAL		F P	DEFINED	337			
		T1358	REAL		F P	DEFINED	338			
		T1359	REAL		F P	DEFINED	339			
		T1360	REAL		F P	DEFINED	340			
		T1361	REAL		F P	DEFINED	341			
		T1362	REAL		F P	DEFINED	342			
		T1363	REAL		F P	DEFINED	343			
		T1364	REAL		F P	DEFINED	344			
		T1365	REAL		F P	DEFINED	345			
		T1366	REAL		F P	DEFINED	346			
		T1367	REAL		F P	DEFINED	347			
		T1368	REAL		F P	DEFINED	348			
		T1369	REAL		F P	DEFINED	349			
		T1370	REAL		F P	DEFINED	350			
		T1371	REAL		F P	DEFINED	351			
		T1372	REAL		F P	DEFINED	352			
		T1373	REAL		F P	DEFINED	353			
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		T1375	REAL		F P	DEFINED	355			
		T1376	REAL		F P	DEFINED	356			
		T1377	REAL		F P	DEFINED	357			
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		T1380	REAL		F P	DEFINED	360			
		T1381	REAL		F P	DEFINED	361			
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		T1384	REAL		F P	DEFINED	364			
		T1385	REAL		F P	DEFINED	365			
		T1386	REAL		F P	DEFINED	366			
		T1387	REAL		F P	DEFINED	367			
		T1388	REAL		F P	DEFINED	368			
		T1389	REAL		F P	DEFINED	369			
		T1390	REAL		F P	DEFINED	370			
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		T1392	REAL		F P	DEFINED	372			
		T1393	REAL		F P	DEFINED	373			
		T1394	REAL		F P	DEFINED	374			
		T1395	REAL		F P	DEFINED	375			
		T1396	REAL		F P	DEFINED	376			
		T1397	REAL		F P	DEFINED	377			
		T1398	REAL		F P</					

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STATISTICS
PROGRAM : TNGTH          11218      593
CN LABELED COMMON LENGTH  44200      2309
          $$$$$$ CN DTD

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80	P11=P1 P12=P1 1 IF SP2-XR(11) 2,3,4 2 IF 1 GO TO 10 GO TO 3 3 I=1 4 GO TO 1 5 IF 1 GO 21 GO TO 3 6 IF SP2-XR(11) 5,6,7 7 I=1 8 GO TO 4 9 M=1 10 GO TO 8 11 M=1 12 GO TO 8 13 M=1 14 IF SP2-XR(11)/XR(11-1)-XR(11) 15 JMIN=1-1.25 16 JMIN=JMIN+5 17 DO 50 M=1,2 18 K=0 19 P=P1 20 IF (P-XR(11)-DEL(XR(11))) 225,226,227 21 IF (K EQ 4) GO TO 226 22 K=K+1 23 GO TO 225 24 RS=JMIN+K 25 K1=JMIN+K 26 GO TO 100 27 IF 1 GO 01 GO TO 226 28 K1=K1+K-1 29 K1=K1+K-1 30 K1=K1+1 31 K1=K1+1 32 XL=1P-XR(11)-DEL(XR(11)-1)/DEL 33 D1=1 -K1 34 D2=1 -K1 35 D3=0.1801 36 D4=K1 37 D5=XR(11) 38 D6=XR(11) 39 T150 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 40 T151 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 41 T152 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 42 T153 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 43 T154 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 44 T155 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 45 T156 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 46 T157 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 47 T158 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 48 T159 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 49 T160 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 50 GO TO 500 51 D1=1 -K1 52 T150 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 53 T151 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 54 T152 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 55 T153 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 56 T154 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 57 T155 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 58 T156 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 59 T157 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 60 T158 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 61 T159 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 62 T160 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 63 GO TO 500 64 JMIN=1-1.25 65 DO 50 M=1,2 66 P=P1 67 K=0 68 IF (P-XR(11)-DEL(XR(11))) 235,236,237 69 IF (K EQ 4) GO TO 236 70 K=K+1 71 GO TO 235 72 RS=JMIN+K 73 GO TO 110 74 IF 1 GO 01 GO TO 236 75 K1=K1+K-1 76 K1=K1+K-1 77 K1=K1+1 78 K1=K1+1 79 XL=1P-XR(11)-DEL(XR(11)-1)/DEL 80 D1=1 -K1 81 D2=1 -K1 82 D3=0.1801 83 D4=K1 84 D5=XR(11) 85 D6=XR(11) 86 T150 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 87 T151 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 88 T152 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 89 T153 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 90 T154 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 91 T155 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 92 T156 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 93 T157 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 94 T158 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 95 T159 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 96 T160 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 97 GO TO 510 98 D1=1 -K1 99 T150 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 100 T151 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 101 T152 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 102 T153 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 103 T154 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 104 T155 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 105 T156 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 106 T157 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 107 T158 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 108 T159 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 109 T160 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 110 GO TO 510 111 D1=1 -K1 112 T150 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 113 T151 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 114 T152 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 115 T153 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 116 T154 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155)+D5X(1155)+D6X(1155) 117 T155 (NR)=D1X(1155)+D2X(1155)+D3X(1155)+D4X(1155
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STATISTICS			
PROGRAM LENGTH	13178	787	
CM LABELED COMMON LENGTH	258	21	
COMMON CM USED			

80 113+2 85P18(5P285P2-1 1/02

111+1
RETURN
ENDMOD7
DEF=113
DEF=113111
111
111

SYMBOLIC REFERENCE MAP (8-2)

ENTRY POINTS DEF LINE REFERENCES
1 NINT15 1 81

VARIABLES SM TYPE RELOCATION

LINE	SM	TYPE	RELOCATION	REF	85	87	88	89	90	91	92
146 01		REAL		DEF=113			DEF=113				
147 02		REAL		DEF=113			DEF=113				
148 03		REAL		DEF=113			DEF=113				
149 1		INTEGER		DEF=113			DEF=113				
149 11		INTEGER	F P	DEF=113			DEF=113				
149 12		INTEGER		DEF=113			DEF=113				
0 SP2		REAL	F P	DEF=113			DEF=113				
T11		REAL	F P	DEF=113			DEF=113				
T12		REAL	F P	DEF=113			DEF=113				
T13		REAL	F P	DEF=113			DEF=113				
T14		REAL	F P	DEF=113			DEF=113				
T15		REAL	F P	DEF=113			DEF=113				
T16		REAL	F P	DEF=113			DEF=113				
T17		REAL	F P	DEF=113			DEF=113				
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T19		REAL	F P	DEF=113			DEF=113				
T20		REAL	F P	DEF=113			DEF=113				
T21		REAL	F P	DEF=113			DEF=113				
T22		REAL	F P	DEF=113			DEF=113				
T23		REAL	F P	DEF=113			DEF=113				
T24		REAL	F P	DEF=113			DEF=113				
X0		REAL		DEF=113			DEF=113				
X1		REAL		DEF=113			DEF=113				
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X6		REAL		DEF=113			DEF=113				
X7		REAL		DEF=113			DEF=113				
X8		REAL		DEF=113			DEF=113				
X9		REAL		DEF=113			DEF=113				
X10		REAL		DEF=113			DEF=113				
X11		REAL		DEF=113			DEF=113				
X12		REAL		DEF=113			DEF=113				
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EXTERNALS TYPE NAME REFERENCES
REAL 1 LIBRARY 78
REAL 1 LIBRARY 77

STATEMENT LABELS DEF LINE REFERENCES

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394	INACTIVE	375	81		
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STATISTICS

PROGRAM LENGTH	2158	141
CM LABELED COMMON LENGTH	2028	130
320008 CM USED		

