G e n e r a l   A l g e b r a i c   M o d e l i n g   S y s t e m

C o m p i l a t i o n

```
 1  SET

 2  T/T1,T2,T3,T4,T5/

 3  N/1*3/

 4  K/K1, K2/

 5  U/A,B,C/

 6  ;

 7  ALIAS(T,TT),(U,UU);

 8  ALIAS(N,M);

 9  PARAMETER

10  C(M,N,K)

11  F

12  P(M,N,K)

13  B(K,U,M,N)

14  V(K,N)

15  S(K,U,N,T)

16  DELTA(M,N)

17  D(N,M,K,U,T)

18  G(M,N,K)

19  ;

20  C(M,N,K)=4;

21  F =UNIFORM(5,10);

22  P(M,N,K)=2;

23  B(K,U,M,N)=8;

24  V(K,N)=1;
```

25 Table D(N,M,K,U,T) "IS SO Que"

	A.T1	A.T2	A.T3	A.T4	A.T5	B.T1	B.T2	B.T3	B.T4	B.T5	C.T1	C.T2	C.T3	C.T4	C.T5
27 1.1.k1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 1.1.k2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 1.2.k1	12	21	9	21	21	12	15	5	9	21	12	21	9	21	21
30 1.2.k2	8	14	16	12	21	6	8	9	8	3	6	21	9	2	16
31 1.3.k1	18	7	21	13	3	12	4	17	8	3	18	7	21	13	3
32 1.3.k2	8	4	13	12	3	4	8	7	3	5	21	7	13	18	3
33 2.1.k1	5	11	4	12	23	5	13	6	21	23	5	11	4	12	23
34 2.1.k2	5	11	6	12	23	12	13	4	4	23	5	11	4	12	19
35 2.2.k1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 2.2.k2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 2.3.k1	9	3	14	12	3	9	3	12	12	3	9	3	14	12	3
38 2.3.k2	8	3	12	12	3	12	3	21	12	1	9	3	14	12	11
39 3.1.k1	10	31	24	24	41	8	21	18	2	41	10	31	24	24	41

```
40 3.1.k2    10    15    18    12    41    5    13
      31    24    21    10    13    8    12    13
41 3.2.k1    23    13    13    14    5    21    13
      2    14    5    23    13    13    14    5
42 3.2.k2    21    13    8    12    5    23    13
      2    14    5    10    13    13    14    5
43 3.3.k1    0    0    0    0    0    0    0
      0    0    0    0    0    0    0    0
44 3.3.k2    0    0    0    0    0    0    0
      0    0    0    0    0    0    0    0
45 ;
46 Table DELTA(M,N)"UNIFORMINT(1,2,3)"
47      1    2    3
48 1    0    1    3
49 2    1    0    2
50 3    3    2    0
51 ;
52 Table S(K,U,N,T) "FORMint(0,1000)"
53          T1    T2    T3    T4    T5
54 k1.A.1    20    23    18    12    12
55 k1.A.2    0    0    0    0    5
56 k1.A.3    24    19    5    19    8
57 k1.B.1    18    0    31    12    8
58 k1.B.2    19    0    12    12    8
59 k1.B.3    25    0    4    14    8
60 k1.C.1    13    4    8    0    12
61 k1.C.2    14    23    9    0    0
62 k1.C.3    23    1    21    0    9
63 k2.A.1    12    13    16    0    25
```

64 k2.A.2   8   7   0   0   12

65 k2.A.3   5   6   0   0   8

66 k2.B.1   9   9   15   0   1

67 k2.B.2   19   6   0   0   0

68 k2.B.3   29   5   8   8   9

69 k2.C.1   31   12   6   0   12

70 k2.C.2   7   7   8   0   0

71 k2.C.3   12   0   0   0   0

72 ;

73 G(M,N,K)=8;

74

75

76

77 VARIABLE

78 Z;

79

80 INTEGER VARIABLE

81 X(M,N,K,U,T)

82 I(K,U,N,T)

83 W(N,M,K,U,T)

84 E(U,UU,M,N,K,T)

85 ;

86

87 EQUATION

88 OBJ

89 E1

90 E2

91 E3

92 E4

93 ;

94

95

96 OBJ..Z=E=SUM((T,N,M,K,U),C(M,N,K)*X(M,N,K,U,T)+P(M,N,K)*W(M,N,K,U,T-1))

97 +SUM((M,N,T,K,U)$(ORD(T)=CARD(T)),B(K,U,M,N)*W(M,N,K,U,T))

98 -SUM((N,T,K,U)$(ORD(T)=CARD(T)),V(K,N)*I(K,U,N,T))

99 +SUM((M,N,K,T,U,UU),G(M,N,K)*E(U,UU,M,N,K,T))

100

101 ;

102

103 E1(N,T,K,U) ..S(K,U,N,T)+I(K,U,N,T-1)-I(K,U,N,T)+SUM((M,TT)$(ORD(TT)=ORD(T
)-DELTA(M,N)),X(M,N,K,U,TT))-SUM(M,X(N,M,K,U,T))+SUM((TT,M,UU)$(ORD(TT)=OR
    D(T)-DELTA(M,N)-2),E(U,UU,M,N,K,TT))-SUM((M,UU),E(U,UU,N,M,K,T))=E=0;

104 E2(K,U,N,T) ..SUM(M,X(N,M,K,U,T))=L=S(K,U,N,T)+I(K,U,N,T-1)-I(K,U,N,T)+SUM
    ((TT,M,UU)$(ORD(TT)=ORD(T)-DELTA(M,N)-2),E(U,UU,M,N,K,TT))-SUM((M,UU),E(U,
    UU,N,M,K,T));

105 E3(M,N,T,K,U) ..W(N,M,K,U,T)-W(N,M,K,U,T-1)+SUM((UU),E(UU,U,N,M,K,T))=E=D(
    N,M,K,U,T);

106 E4(U,K) ..SUM((N,M,T,UU),E(UU,U,N,M,K,T))+SUM((N,M,T)$(ORD(T)=CARD(T)),W(N
    ,M,K,U,T))-SUM((N,T,M),D(N,M,K,U,T))-SUM((N,T)$(ORD(T)=CARD(T)),I(K,U,N,T)
)=E=0;

107

108 OPTION MIP=CPLEX,OPTCR=0,limrow=50;

109 MODEL FINAL/ALL/

110 SOLVE FINAL USING MIP MIN Z;

COMPILATION TIME   =   0.000 SECONDS   3 MB 25.1.2 r67455 WEX-WEI

---- OBJ =E=

OBJ.. Z - 4*X(1,1,K1,A,T1) - 4*X(1,1,K1,A,T2) - 4*X(1,1,K1,A,T3)

   - 4*X(1,1,K1,A,T4) - 4*X(1,1,K1,A,T5) - 4*X(1,1,K1,B,T1)

   - 4*X(1,1,K1,B,T2) - 4*X(1,1,K1,B,T3) - 4*X(1,1,K1,B,T4)

   - 4*X(1,1,K1,B,T5) - 4*X(1,1,K1,C,T1) - 4*X(1,1,K1,C,T2)

   - 4*X(1,1,K1,C,T3) - 4*X(1,1,K1,C,T4) - 4*X(1,1,K1,C,T5)

   - 4*X(1,1,K2,A,T1) - 4*X(1,1,K2,A,T2) - 4*X(1,1,K2,A,T3)

   - 4*X(1,1,K2,A,T4) - 4*X(1,1,K2,A,T5) - 4*X(1,1,K2,B,T1)

   - 4*X(1,1,K2,B,T2) - 4*X(1,1,K2,B,T3) - 4*X(1,1,K2,B,T4)

   - 4*X(1,1,K2,B,T5) - 4*X(1,1,K2,C,T1) - 4*X(1,1,K2,C,T2)

   - 4*X(1,1,K2,C,T3) - 4*X(1,1,K2,C,T4) - 4*X(1,1,K2,C,T5)

   - 4*X(1,2,K1,A,T1) - 4*X(1,2,K1,A,T2) - 4*X(1,2,K1,A,T3)

- 4*X(1,2,K1,A,T4) - 4*X(1,2,K1,A,T5) - 4*X(1,2,K1,B,T1)

- 4*X(1,2,K1,B,T2) - 4*X(1,2,K1,B,T3) - 4*X(1,2,K1,B,T4)

- 4*X(1,2,K1,B,T5) - 4*X(1,2,K1,C,T1) - 4*X(1,2,K1,C,T2)

- 4*X(1,2,K1,C,T3) - 4*X(1,2,K1,C,T4) - 4*X(1,2,K1,C,T5)

- 4*X(1,2,K2,A,T1) - 4*X(1,2,K2,A,T2) - 4*X(1,2,K2,A,T3)

- 4*X(1,2,K2,A,T4) - 4*X(1,2,K2,A,T5) - 4*X(1,2,K2,B,T1)

- 4*X(1,2,K2,B,T2) - 4*X(1,2,K2,B,T3) - 4*X(1,2,K2,B,T4)

- 4*X(1,2,K2,B,T5) - 4*X(1,2,K2,C,T1) - 4*X(1,2,K2,C,T2)

- 4*X(1,2,K2,C,T3) - 4*X(1,2,K2,C,T4) - 4*X(1,2,K2,C,T5)

- 4*X(1,3,K1,A,T1) - 4*X(1,3,K1,A,T2) - 4*X(1,3,K1,A,T3)

- 4*X(1,3,K1,A,T4) - 4*X(1,3,K1,A,T5) - 4*X(1,3,K1,B,T1)

- 4*X(1,3,K1,B,T2) - 4*X(1,3,K1,B,T3) - 4*X(1,3,K1,B,T4)

- 4*X(1,3,K1,B,T5) - 4*X(1,3,K1,C,T1) - 4*X(1,3,K1,C,T2)

- 4*X(1,3,K1,C,T3) - 4*X(1,3,K1,C,T4) - 4*X(1,3,K1,C,T5)

- 4*X(1,3,K2,A,T1) - 4*X(1,3,K2,A,T2) - 4*X(1,3,K2,A,T3)

- 4*X(1,3,K2,A,T4) - 4*X(1,3,K2,A,T5) - 4*X(1,3,K2,B,T1)

- 4*X(1,3,K2,B,T2) - 4*X(1,3,K2,B,T3) - 4*X(1,3,K2,B,T4)

- 4*X(1,3,K2,B,T5) - 4*X(1,3,K2,C,T1) - 4*X(1,3,K2,C,T2)

- 4*X(1,3,K2,C,T3) - 4*X(1,3,K2,C,T4) - 4*X(1,3,K2,C,T5)

- 4*X(2,1,K1,A,T1) - 4*X(2,1,K1,A,T2) - 4*X(2,1,K1,A,T3)

- 4*X(2,1,K1,A,T4) - 4*X(2,1,K1,A,T5) - 4*X(2,1,K1,B,T1)

- 4*X(2,1,K1,B,T2) - 4*X(2,1,K1,B,T3) - 4*X(2,1,K1,B,T4)

- 4*X(2,1,K1,B,T5) - 4*X(2,1,K1,C,T1) - 4*X(2,1,K1,C,T2)

- 4*X(2,1,K1,C,T3) - 4*X(2,1,K1,C,T4) - 4*X(2,1,K1,C,T5)

- 4*X(2,1,K2,A,T1) - 4*X(2,1,K2,A,T2) - 4*X(2,1,K2,A,T3)

- 4*X(2,1,K2,A,T4) - 4*X(2,1,K2,A,T5) - 4*X(2,1,K2,B,T1)

- 4*X(2,1,K2,B,T2) - 4*X(2,1,K2,B,T3) - 4*X(2,1,K2,B,T4)

- 4*X(2,1,K2,B,T5) - 4*X(2,1,K2,C,T1) - 4*X(2,1,K2,C,T2)

- 4*X(2,1,K2,C,T3) - 4*X(2,1,K2,C,T4) - 4*X(2,1,K2,C,T5)

- 4*X(2,2,K1,A,T1) - 4*X(2,2,K1,A,T2) - 4*X(2,2,K1,A,T3)

- 4*X(2,2,K1,A,T4) - 4*X(2,2,K1,A,T5) - 4*X(2,2,K1,B,T1)

- 4*X(2,2,K1,B,T2) - 4*X(2,2,K1,B,T3) - 4*X(2,2,K1,B,T4)

- 4*X(2,2,K1,B,T5) - 4*X(2,2,K1,C,T1) - 4*X(2,2,K1,C,T2)

- 4*X(2,2,K1,C,T3) - 4*X(2,2,K1,C,T4) - 4*X(2,2,K1,C,T5)

- 4*X(2,2,K2,A,T1) - 4*X(2,2,K2,A,T2) - 4*X(2,2,K2,A,T3)

- 4*X(2,2,K2,A,T4) - 4*X(2,2,K2,A,T5) - 4*X(2,2,K2,B,T1)

- 4*X(2,2,K2,B,T2) - 4*X(2,2,K2,B,T3) - 4*X(2,2,K2,B,T4)

- 4*X(2,2,K2,B,T5) - 4*X(2,2,K2,C,T1) - 4*X(2,2,K2,C,T2)

- 4*X(2,2,K2,C,T3) - 4*X(2,2,K2,C,T4) - 4*X(2,2,K2,C,T5)

- 4*X(2,3,K1,A,T1) - 4*X(2,3,K1,A,T2) - 4*X(2,3,K1,A,T3)

- 4*X(2,3,K1,A,T4) - 4*X(2,3,K1,A,T5) - 4*X(2,3,K1,B,T1)

- 4*X(2,3,K1,B,T2) - 4*X(2,3,K1,B,T3) - 4*X(2,3,K1,B,T4)

- 4*X(2,3,K1,B,T5) - 4*X(2,3,K1,C,T1) - 4*X(2,3,K1,C,T2)

- 4*X(2,3,K1,C,T3) - 4*X(2,3,K1,C,T4) - 4*X(2,3,K1,C,T5)

- 4*X(2,3,K2,A,T1) - 4*X(2,3,K2,A,T2) - 4*X(2,3,K2,A,T3)

- 4*X(2,3,K2,A,T4) - 4*X(2,3,K2,A,T5) - 4*X(2,3,K2,B,T1)

- 4*X(2,3,K2,B,T2) - 4*X(2,3,K2,B,T3) - 4*X(2,3,K2,B,T4)

- 4*X(2,3,K2,B,T5) - 4*X(2,3,K2,C,T1) - 4*X(2,3,K2,C,T2)

- 4*X(2,3,K2,C,T3) - 4*X(2,3,K2,C,T4) - 4*X(2,3,K2,C,T5)

- 4*X(3,1,K1,A,T1) - 4*X(3,1,K1,A,T2) - 4*X(3,1,K1,A,T3)

- 4*X(3,1,K1,A,T4) - 4*X(3,1,K1,A,T5) - 4*X(3,1,K1,B,T1)

- 4*X(3,1,K1,B,T2) - 4*X(3,1,K1,B,T3) - 4*X(3,1,K1,B,T4)

- 4*X(3,1,K1,B,T5) - 4*X(3,1,K1,C,T1) - 4*X(3,1,K1,C,T2)

- 4*X(3,1,K1,C,T3) - 4*X(3,1,K1,C,T4) - 4*X(3,1,K1,C,T5)

- 4*X(3,1,K2,A,T1) - 4*X(3,1,K2,A,T2) - 4*X(3,1,K2,A,T3)

- 4*X(3,1,K2,A,T4) - 4*X(3,1,K2,A,T5) - 4*X(3,1,K2,B,T1)

- 4*X(3,1,K2,B,T2) - 4*X(3,1,K2,B,T3) - 4*X(3,1,K2,B,T4)

- 4*X(3,1,K2,B,T5) - 4*X(3,1,K2,C,T1) - 4*X(3,1,K2,C,T2)

- 4*X(3,1,K2,C,T3) - 4*X(3,1,K2,C,T4) - 4*X(3,1,K2,C,T5)

- 4*X(3,2,K1,A,T1) - 4*X(3,2,K1,A,T2) - 4*X(3,2,K1,A,T3)

- 4*X(3,2,K1,A,T4) - 4*X(3,2,K1,A,T5) - 4*X(3,2,K1,B,T1)

- 4*X(3,2,K1,B,T2) - 4*X(3,2,K1,B,T3) - 4*X(3,2,K1,B,T4)

- 4*X(3,2,K1,B,T5) - 4*X(3,2,K1,C,T1) - 4*X(3,2,K1,C,T2)

- 4*X(3,2,K1,C,T3) - 4*X(3,2,K1,C,T4) - 4*X(3,2,K1,C,T5)

- 4*X(3,2,K2,A,T1) - 4*X(3,2,K2,A,T2) - 4*X(3,2,K2,A,T3)

- 4*X(3,2,K2,A,T4) - 4*X(3,2,K2,A,T5) - 4*X(3,2,K2,B,T1)

- 4*X(3,2,K2,B,T2) - 4*X(3,2,K2,B,T3) - 4*X(3,2,K2,B,T4)

- 4*X(3,2,K2,B,T5) - 4*X(3,2,K2,C,T1) - 4*X(3,2,K2,C,T2)

- 4*X(3,2,K2,C,T3) - 4*X(3,2,K2,C,T4) - 4*X(3,2,K2,C,T5)

- 4*X(3,3,K1,A,T1) - 4*X(3,3,K1,A,T2) - 4*X(3,3,K1,A,T3)

- 4*X(3,3,K1,A,T4) - 4*X(3,3,K1,A,T5) - 4*X(3,3,K1,B,T1)

- 4*X(3,3,K1,B,T2) - 4*X(3,3,K1,B,T3) - 4*X(3,3,K1,B,T4)

- 4*X(3,3,K1,B,T5) - 4*X(3,3,K1,C,T1) - 4*X(3,3,K1,C,T2)

- 4*X(3,3,K1,C,T3) - 4*X(3,3,K1,C,T4) - 4*X(3,3,K1,C,T5)

- 4*X(3,3,K2,A,T1) - 4*X(3,3,K2,A,T2) - 4*X(3,3,K2,A,T3)

- 4*X(3,3,K2,A,T4) - 4*X(3,3,K2,A,T5) - 4*X(3,3,K2,B,T1)

- 4*X(3,3,K2,B,T2) - 4*X(3,3,K2,B,T3) - 4*X(3,3,K2,B,T4)

- 4*X(3,3,K2,B,T5) - 4*X(3,3,K2,C,T1) - 4*X(3,3,K2,C,T2)

- 4*X(3,3,K2,C,T3) - 4*X(3,3,K2,C,T4) - 4*X(3,3,K2,C,T5) + I(K1,A,1,T5)

+ I(K1,A,2,T5) + I(K1,A,3,T5) + I(K1,B,1,T5) + I(K1,B,2,T5) + I(K1,B,3,T5)

+ I(K1,C,1,T5) + I(K1,C,2,T5) + I(K1,C,3,T5) + I(K2,A,1,T5) + I(K2,A,2,T5)

+ I(K2,A,3,T5) + I(K2,B,1,T5) + I(K2,B,2,T5) + I(K2,B,3,T5) + I(K2,C,1,T5)

+ I(K2,C,2,T5) + I(K2,C,3,T5) - 2*W(1,1,K1,A,T1) - 2*W(1,1,K1,A,T2)

- 2*W(1,1,K1,A,T3) - 2*W(1,1,K1,A,T4) - 8*W(1,1,K1,A,T5)

- 2*W(1,1,K1,B,T1) - 2*W(1,1,K1,B,T2) - 2*W(1,1,K1,B,T3)

- 2*W(1,1,K1,B,T4) - 8*W(1,1,K1,B,T5) - 2*W(1,1,K1,C,T1)

- 2*W(1,1,K1,C,T2) - 2*W(1,1,K1,C,T3) - 2*W(1,1,K1,C,T4)

- 8*W(1,1,K1,C,T5) - 2*W(1,1,K2,A,T1) - 2*W(1,1,K2,A,T2)

- 2*W(1,1,K2,A,T3) - 2*W(1,1,K2,A,T4) - 8*W(1,1,K2,A,T5)

- 2*W(1,1,K2,B,T1) - 2*W(1,1,K2,B,T2) - 2*W(1,1,K2,B,T3)

- 2*W(1,1,K2,B,T4) - 8*W(1,1,K2,B,T5) - 2*W(1,1,K2,C,T1)

- 2*W(1,1,K2,C,T2) - 2*W(1,1,K2,C,T3) - 2*W(1,1,K2,C,T4)

- 8*W(1,1,K2,C,T5) - 2*W(1,2,K1,A,T1) - 2*W(1,2,K1,A,T2)

- 2*W(1,2,K1,A,T3) - 2*W(1,2,K1,A,T4) - 8*W(1,2,K1,A,T5)

- 2*W(1,2,K1,B,T1) - 2*W(1,2,K1,B,T2) - 2*W(1,2,K1,B,T3)

- 2*W(1,2,K1,B,T4) - 8*W(1,2,K1,B,T5) - 2*W(1,2,K1,C,T1)

- 2*W(1,2,K1,C,T2) - 2*W(1,2,K1,C,T3) - 2*W(1,2,K1,C,T4)

- 8*W(1,2,K1,C,T5) - 2*W(1,2,K2,A,T1) - 2*W(1,2,K2,A,T2)

- 2*W(1,2,K2,A,T3) - 2*W(1,2,K2,A,T4) - 8*W(1,2,K2,A,T5)

- 2*W(1,2,K2,B,T1) - 2*W(1,2,K2,B,T2) - 2*W(1,2,K2,B,T3)

- 2*W(1,2,K2,B,T4) - 8*W(1,2,K2,B,T5) - 2*W(1,2,K2,C,T1)

- 2*W(1,2,K2,C,T2) - 2*W(1,2,K2,C,T3) - 2*W(1,2,K2,C,T4)

- 8*W(1,2,K2,C,T5) - 2*W(1,3,K1,A,T1) - 2*W(1,3,K1,A,T2)

- 2*W(1,3,K1,A,T3) - 2*W(1,3,K1,A,T4) - 8*W(1,3,K1,A,T5)

- 2*W(1,3,K1,B,T1) - 2*W(1,3,K1,B,T2) - 2*W(1,3,K1,B,T3)

- 2*W(1,3,K1,B,T4) - 8*W(1,3,K1,B,T5) - 2*W(1,3,K1,C,T1)

- 2*W(1,3,K1,C,T2) - 2*W(1,3,K1,C,T3) - 2*W(1,3,K1,C,T4)

- 8*W(1,3,K1,C,T5) - 2*W(1,3,K2,A,T1) - 2*W(1,3,K2,A,T2)

- 2*W(1,3,K2,A,T3) - 2*W(1,3,K2,A,T4) - 8*W(1,3,K2,A,T5)

- 2*W(1,3,K2,B,T1) - 2*W(1,3,K2,B,T2) - 2*W(1,3,K2,B,T3)

- 2*W(1,3,K2,B,T4) - 8*W(1,3,K2,B,T5) - 2*W(1,3,K2,C,T1)

- 2*W(1,3,K2,C,T2) - 2*W(1,3,K2,C,T3) - 2*W(1,3,K2,C,T4)

- 8*W(1,3,K2,C,T5) - 2*W(2,1,K1,A,T1) - 2*W(2,1,K1,A,T2)

- 2*W(2,1,K1,A,T3) - 2*W(2,1,K1,A,T4) - 8*W(2,1,K1,A,T5)

- 2*W(2,1,K1,B,T1) - 2*W(2,1,K1,B,T2) - 2*W(2,1,K1,B,T3)

- 2*W(2,1,K1,B,T4) - 8*W(2,1,K1,B,T5) - 2*W(2,1,K1,C,T1)

- 2*W(2,1,K1,C,T2) - 2*W(2,1,K1,C,T3) - 2*W(2,1,K1,C,T4)

- 8*W(2,1,K1,C,T5) - 2*W(2,1,K2,A,T1) - 2*W(2,1,K2,A,T2)

- 2*W(2,1,K2,A,T3) - 2*W(2,1,K2,A,T4) - 8*W(2,1,K2,A,T5)

- 2*W(2,1,K2,B,T1) - 2*W(2,1,K2,B,T2) - 2*W(2,1,K2,B,T3)

- 2*W(2,1,K2,B,T4) - 8*W(2,1,K2,B,T5) - 2*W(2,1,K2,C,T1)

- 2*W(2,1,K2,C,T2) - 2*W(2,1,K2,C,T3) - 2*W(2,1,K2,C,T4)

- 8*W(2,1,K2,C,T5) - 2*W(2,2,K1,A,T1) - 2*W(2,2,K1,A,T2)

- 2*W(2,2,K1,A,T3) - 2*W(2,2,K1,A,T4) - 8*W(2,2,K1,A,T5)

- 2*W(2,2,K1,B,T1) - 2*W(2,2,K1,B,T2) - 2*W(2,2,K1,B,T3)

- 2*W(2,2,K1,B,T4) - 8*W(2,2,K1,B,T5) - 2*W(2,2,K1,C,T1)

- 2*W(2,2,K1,C,T2) - 2*W(2,2,K1,C,T3) - 2*W(2,2,K1,C,T4)

- 8*W(2,2,K1,C,T5) - 2*W(2,2,K2,A,T1) - 2*W(2,2,K2,A,T2)

- 2*W(2,2,K2,A,T3) - 2*W(2,2,K2,A,T4) - 8*W(2,2,K2,A,T5)

- 2*W(2,2,K2,B,T1) - 2*W(2,2,K2,B,T2) - 2*W(2,2,K2,B,T3)

- 2*W(2,2,K2,B,T4) - 8*W(2,2,K2,B,T5) - 2*W(2,2,K2,C,T1)

- 2*W(2,2,K2,C,T2) - 2*W(2,2,K2,C,T3) - 2*W(2,2,K2,C,T4)

- 8*W(2,2,K2,C,T5) - 2*W(2,3,K1,A,T1) - 2*W(2,3,K1,A,T2)

- 2*W(2,3,K1,A,T3) - 2*W(2,3,K1,A,T4) - 8*W(2,3,K1,A,T5)

- 2*W(2,3,K1,B,T1) - 2*W(2,3,K1,B,T2) - 2*W(2,3,K1,B,T3)

- 2*W(2,3,K1,B,T4) - 8*W(2,3,K1,B,T5) - 2*W(2,3,K1,C,T1)

- 2*W(2,3,K1,C,T2) - 2*W(2,3,K1,C,T3) - 2*W(2,3,K1,C,T4)

- 8*W(2,3,K1,C,T5) - 2*W(2,3,K2,A,T1) - 2*W(2,3,K2,A,T2)

- 2*W(2,3,K2,A,T3) - 2*W(2,3,K2,A,T4) - 8*W(2,3,K2,A,T5)

- 2*W(2,3,K2,B,T1) - 2*W(2,3,K2,B,T2) - 2*W(2,3,K2,B,T3)

- 2*W(2,3,K2,B,T4) - 8*W(2,3,K2,B,T5) - 2*W(2,3,K2,C,T1)

- 2*W(2,3,K2,C,T2) - 2*W(2,3,K2,C,T3) - 2*W(2,3,K2,C,T4)

- 8*W(2,3,K2,C,T5) - 2*W(3,1,K1,A,T1) - 2*W(3,1,K1,A,T2)

- 2*W(3,1,K1,A,T3) - 2*W(3,1,K1,A,T4) - 8*W(3,1,K1,A,T5)

- 2*W(3,1,K1,B,T1) - 2*W(3,1,K1,B,T2) - 2*W(3,1,K1,B,T3)

- 2*W(3,1,K1,B,T4) - 8*W(3,1,K1,B,T5) - 2*W(3,1,K1,C,T1)

- 2*W(3,1,K1,C,T2) - 2*W(3,1,K1,C,T3) - 2*W(3,1,K1,C,T4)

- 8*W(3,1,K1,C,T5) - 2*W(3,1,K2,A,T1) - 2*W(3,1,K2,A,T2)

- 2*W(3,1,K2,A,T3) - 2*W(3,1,K2,A,T4) - 8*W(3,1,K2,A,T5)

- 2*W(3,1,K2,B,T1) - 2*W(3,1,K2,B,T2) - 2*W(3,1,K2,B,T3)

- 2*W(3,1,K2,B,T4) - 8*W(3,1,K2,B,T5) - 2*W(3,1,K2,C,T1)

- 2*W(3,1,K2,C,T2) - 2*W(3,1,K2,C,T3) - 2*W(3,1,K2,C,T4)

- 8*W(3,1,K2,C,T5) - 2*W(3,2,K1,A,T1) - 2*W(3,2,K1,A,T2)

- 2*W(3,2,K1,A,T3) - 2*W(3,2,K1,A,T4) - 8*W(3,2,K1,A,T5)

- 2*W(3,2,K1,B,T1) - 2*W(3,2,K1,B,T2) - 2*W(3,2,K1,B,T3)

- 2*W(3,2,K1,B,T4) - 8*W(3,2,K1,B,T5) - 2*W(3,2,K1,C,T1)

- 2*W(3,2,K1,C,T2) - 2*W(3,2,K1,C,T3) - 2*W(3,2,K1,C,T4)

- 8*W(3,2,K1,C,T5) - 2*W(3,2,K2,A,T1) - 2*W(3,2,K2,A,T2)

- 2*W(3,2,K2,A,T3) - 2*W(3,2,K2,A,T4) - 8*W(3,2,K2,A,T5)

- 2*W(3,2,K2,B,T1) - 2*W(3,2,K2,B,T2) - 2*W(3,2,K2,B,T3)

- 2*W(3,2,K2,B,T4) - 8*W(3,2,K2,B,T5) - 2*W(3,2,K2,C,T1)

- 2*W(3,2,K2,C,T2) - 2*W(3,2,K2,C,T3) - 2*W(3,2,K2,C,T4)

- 8*W(3,2,K2,C,T5) - 2*W(3,3,K1,A,T1) - 2*W(3,3,K1,A,T2)

- 2*W(3,3,K1,A,T3) - 2*W(3,3,K1,A,T4) - 8*W(3,3,K1,A,T5)

- 2*W(3,3,K1,B,T1) - 2*W(3,3,K1,B,T2) - 2*W(3,3,K1,B,T3)

- 2*W(3,3,K1,B,T4) - 8*W(3,3,K1,B,T5) - 2*W(3,3,K1,C,T1)

- 2*W(3,3,K1,C,T2) - 2*W(3,3,K1,C,T3) - 2*W(3,3,K1,C,T4)

- 8*W(3,3,K1,C,T5) - 2*W(3,3,K2,A,T1) - 2*W(3,3,K2,A,T2)

- 2*W(3,3,K2,A,T3) - 2*W(3,3,K2,A,T4) - 8*W(3,3,K2,A,T5)

- 2*W(3,3,K2,B,T1) - 2*W(3,3,K2,B,T2) - 2*W(3,3,K2,B,T3)

- 2*W(3,3,K2,B,T4) - 8*W(3,3,K2,B,T5) - 2*W(3,3,K2,C,T1)

- 2*W(3,3,K2,C,T2) - 2*W(3,3,K2,C,T3) - 2*W(3,3,K2,C,T4)

- 8*W(3,3,K2,C,T5) - 8*E(A,A,1,1,K1,T1) - 8*E(A,A,1,1,K1,T2)

- 8*E(A,A,1,1,K1,T3) - 8*E(A,A,1,1,K1,T4) - 8*E(A,A,1,1,K1,T5)

- 8*E(A,A,1,1,K2,T1) - 8*E(A,A,1,1,K2,T2) - 8*E(A,A,1,1,K2,T3)

- 8*E(A,A,1,1,K2,T4) - 8*E(A,A,1,1,K2,T5) - 8*E(A,A,1,2,K1,T1)

- 8*E(A,A,1,2,K1,T2) - 8*E(A,A,1,2,K1,T3) - 8*E(A,A,1,2,K1,T4)

- 8*E(A,A,1,2,K1,T5) - 8*E(A,A,1,2,K2,T1) - 8*E(A,A,1,2,K2,T2)

- 8*E(A,A,1,2,K2,T3) - 8*E(A,A,1,2,K2,T4) - 8*E(A,A,1,2,K2,T5)

- 8*E(A,A,1,3,K1,T1) - 8*E(A,A,1,3,K1,T2) - 8*E(A,A,1,3,K1,T3)

- 8*E(A,A,1,3,K1,T4) - 8*E(A,A,1,3,K1,T5) - 8*E(A,A,1,3,K2,T1)

- 8*E(A,A,1,3,K2,T2) - 8*E(A,A,1,3,K2,T3) - 8*E(A,A,1,3,K2,T4)

- 8*E(A,A,1,3,K2,T5) - 8*E(A,A,2,1,K1,T1) - 8*E(A,A,2,1,K1,T2)

- 8*E(A,A,2,1,K1,T3) - 8*E(A,A,2,1,K1,T4) - 8*E(A,A,2,1,K1,T5)

- 8*E(A,A,2,1,K2,T1) - 8*E(A,A,2,1,K2,T2) - 8*E(A,A,2,1,K2,T3)

- 8*E(A,A,2,1,K2,T4) - 8*E(A,A,2,1,K2,T5) - 8*E(A,A,2,2,K1,T1)

- 8*E(A,A,2,2,K1,T2) - 8*E(A,A,2,2,K1,T3) - 8*E(A,A,2,2,K1,T4)

- 8*E(A,A,2,2,K1,T5) - 8*E(A,A,2,2,K2,T1) - 8*E(A,A,2,2,K2,T2)

- 8*E(A,A,2,2,K2,T3) - 8*E(A,A,2,2,K2,T4) - 8*E(A,A,2,2,K2,T5)

- 8*E(A,A,2,3,K1,T1) - 8*E(A,A,2,3,K1,T2) - 8*E(A,A,2,3,K1,T3)

- 8*E(A,A,2,3,K1,T4) - 8*E(A,A,2,3,K1,T5) - 8*E(A,A,2,3,K2,T1)

- 8*E(A,A,2,3,K2,T2) - 8*E(A,A,2,3,K2,T3) - 8*E(A,A,2,3,K2,T4)

- 8*E(A,A,2,3,K2,T5) - 8*E(A,A,3,1,K1,T1) - 8*E(A,A,3,1,K1,T2)

- 8*E(A,A,3,1,K1,T3) - 8*E(A,A,3,1,K1,T4) - 8*E(A,A,3,1,K1,T5)

- 8*E(A,A,3,1,K2,T1) - 8*E(A,A,3,1,K2,T2) - 8*E(A,A,3,1,K2,T3)

- 8*E(A,A,3,1,K2,T4) - 8*E(A,A,3,1,K2,T5) - 8*E(A,A,3,2,K1,T1)

- 8*E(A,A,3,2,K1,T2) - 8*E(A,A,3,2,K1,T3) - 8*E(A,A,3,2,K1,T4)

- 8*E(A,A,3,2,K1,T5) - 8*E(A,A,3,2,K2,T1) - 8*E(A,A,3,2,K2,T2)

- 8*E(A,A,3,2,K2,T3) - 8*E(A,A,3,2,K2,T4) - 8*E(A,A,3,2,K2,T5)

- 8*E(A,A,3,3,K1,T1) - 8*E(A,A,3,3,K1,T2) - 8*E(A,A,3,3,K1,T3)

- 8*E(A,A,3,3,K1,T4) - 8*E(A,A,3,3,K1,T5) - 8*E(A,A,3,3,K2,T1)

- 8*E(A,A,3,3,K2,T2) - 8*E(A,A,3,3,K2,T3) - 8*E(A,A,3,3,K2,T4)

- 8*E(A,A,3,3,K2,T5) - 8*E(A,B,1,1,K1,T1) - 8*E(A,B,1,1,K1,T2)

- 8*E(A,B,1,1,K1,T3) - 8*E(A,B,1,1,K1,T4) - 8*E(A,B,1,1,K1,T5)

- 8*E(A,B,1,1,K2,T1) - 8*E(A,B,1,1,K2,T2) - 8*E(A,B,1,1,K2,T3)

- 8*E(A,B,1,1,K2,T4) - 8*E(A,B,1,1,K2,T5) - 8*E(A,B,1,2,K1,T1)

- 8*E(A,B,1,2,K1,T2) - 8*E(A,B,1,2,K1,T3) - 8*E(A,B,1,2,K1,T4)

- 8*E(A,B,1,2,K1,T5) - 8*E(A,B,1,2,K2,T1) - 8*E(A,B,1,2,K2,T2)

- 8*E(A,B,1,2,K2,T3) - 8*E(A,B,1,2,K2,T4) - 8*E(A,B,1,2,K2,T5)

- 8*E(A,B,1,3,K1,T1) - 8*E(A,B,1,3,K1,T2) - 8*E(A,B,1,3,K1,T3)

- 8*E(A,B,1,3,K1,T4) - 8*E(A,B,1,3,K1,T5) - 8*E(A,B,1,3,K2,T1)

- 8*E(A,B,1,3,K2,T2) - 8*E(A,B,1,3,K2,T3) - 8*E(A,B,1,3,K2,T4)

- 8*E(A,B,1,3,K2,T5) - 8*E(A,B,2,1,K1,T1) - 8*E(A,B,2,1,K1,T2)

- 8*E(A,B,2,1,K1,T3) - 8*E(A,B,2,1,K1,T4) - 8*E(A,B,2,1,K1,T5)

- 8*E(A,B,2,1,K2,T1) - 8*E(A,B,2,1,K2,T2) - 8*E(A,B,2,1,K2,T3)

- 8*E(A,B,2,1,K2,T4) - 8*E(A,B,2,1,K2,T5) - 8*E(A,B,2,2,K1,T1)

- 8*E(A,B,2,2,K1,T2) - 8*E(A,B,2,2,K1,T3) - 8*E(A,B,2,2,K1,T4)

- 8*E(A,B,2,2,K1,T5) - 8*E(A,B,2,2,K2,T1) - 8*E(A,B,2,2,K2,T2)

- 8*E(A,B,2,2,K2,T3) - 8*E(A,B,2,2,K2,T4) - 8*E(A,B,2,2,K2,T5)

- 8*E(A,B,2,3,K1,T1) - 8*E(A,B,2,3,K1,T2) - 8*E(A,B,2,3,K1,T3)

- 8*E(A,B,2,3,K1,T4) - 8*E(A,B,2,3,K1,T5) - 8*E(A,B,2,3,K2,T1)

- 8*E(A,B,2,3,K2,T2) - 8*E(A,B,2,3,K2,T3) - 8*E(A,B,2,3,K2,T4)

- 8*E(A,B,2,3,K2,T5) - 8*E(A,B,3,1,K1,T1) - 8*E(A,B,3,1,K1,T2)

- 8*E(A,B,3,1,K1,T3) - 8*E(A,B,3,1,K1,T4) - 8*E(A,B,3,1,K1,T5)

- 8*E(A,B,3,1,K2,T1) - 8*E(A,B,3,1,K2,T2) - 8*E(A,B,3,1,K2,T3)

- 8*E(A,B,3,1,K2,T4) - 8*E(A,B,3,1,K2,T5) - 8*E(A,B,3,2,K1,T1)

- 8*E(A,B,3,2,K1,T2) - 8*E(A,B,3,2,K1,T3) - 8*E(A,B,3,2,K1,T4)

- 8*E(A,B,3,2,K1,T5) - 8*E(A,B,3,2,K2,T1) - 8*E(A,B,3,2,K2,T2)

- 8*E(A,B,3,2,K2,T3) - 8*E(A,B,3,2,K2,T4) - 8*E(A,B,3,2,K2,T5)

- 8*E(A,B,3,3,K1,T1) - 8*E(A,B,3,3,K1,T2) - 8*E(A,B,3,3,K1,T3)

- 8*E(A,B,3,3,K1,T4) - 8*E(A,B,3,3,K1,T5) - 8*E(A,B,3,3,K2,T1)

- 8*E(A,B,3,3,K2,T2) - 8*E(A,B,3,3,K2,T3) - 8*E(A,B,3,3,K2,T4)

- 8*E(A,B,3,3,K2,T5) - 8*E(A,C,1,1,K1,T1) - 8*E(A,C,1,1,K1,T2)

- 8*E(A,C,1,1,K1,T3) - 8*E(A,C,1,1,K1,T4) - 8*E(A,C,1,1,K1,T5)

- 8*E(A,C,1,1,K2,T1) - 8*E(A,C,1,1,K2,T2) - 8*E(A,C,1,1,K2,T3)

- 8*E(A,C,1,1,K2,T4) - 8*E(A,C,1,1,K2,T5) - 8*E(A,C,1,2,K1,T1)

- 8*E(A,C,1,2,K1,T2) - 8*E(A,C,1,2,K1,T3) - 8*E(A,C,1,2,K1,T4)

- 8*E(A,C,1,2,K1,T5) - 8*E(A,C,1,2,K2,T1) - 8*E(A,C,1,2,K2,T2)

- 8*E(A,C,1,2,K2,T3) - 8*E(A,C,1,2,K2,T4) - 8*E(A,C,1,2,K2,T5)

- 8*E(A,C,1,3,K1,T1) - 8*E(A,C,1,3,K1,T2) - 8*E(A,C,1,3,K1,T3)

- 8*E(A,C,1,3,K1,T4) - 8*E(A,C,1,3,K1,T5) - 8*E(A,C,1,3,K2,T1)

- 8*E(A,C,1,3,K2,T2) - 8*E(A,C,1,3,K2,T3) - 8*E(A,C,1,3,K2,T4)

- 8*E(A,C,1,3,K2,T5) - 8*E(A,C,2,1,K1,T1) - 8*E(A,C,2,1,K1,T2)

- 8*E(A,C,2,1,K1,T3) - 8*E(A,C,2,1,K1,T4) - 8*E(A,C,2,1,K1,T5)

- 8*E(A,C,2,1,K2,T1) - 8*E(A,C,2,1,K2,T2) - 8*E(A,C,2,1,K2,T3)

- 8*E(A,C,2,1,K2,T4) - 8*E(A,C,2,1,K2,T5) - 8*E(A,C,2,2,K1,T1)

- 8*E(A,C,2,2,K1,T2) - 8*E(A,C,2,2,K1,T3) - 8*E(A,C,2,2,K1,T4)

- 8*E(A,C,2,2,K1,T5) - 8*E(A,C,2,2,K2,T1) - 8*E(A,C,2,2,K2,T2)

- 8*E(A,C,2,2,K2,T3) - 8*E(A,C,2,2,K2,T4) - 8*E(A,C,2,2,K2,T5)

- 8*E(A,C,2,3,K1,T1) - 8*E(A,C,2,3,K1,T2) - 8*E(A,C,2,3,K1,T3)

- 8*E(A,C,2,3,K1,T4) - 8*E(A,C,2,3,K1,T5) - 8*E(A,C,2,3,K2,T1)

- 8*E(A,C,2,3,K2,T2) - 8*E(A,C,2,3,K2,T3) - 8*E(A,C,2,3,K2,T4)

- 8*E(A,C,2,3,K2,T5) - 8*E(A,C,3,1,K1,T1) - 8*E(A,C,3,1,K1,T2)

- 8*E(A,C,3,1,K1,T3) - 8*E(A,C,3,1,K1,T4) - 8*E(A,C,3,1,K1,T5)

- 8*E(A,C,3,1,K2,T1) - 8*E(A,C,3,1,K2,T2) - 8*E(A,C,3,1,K2,T3)

- 8*E(A,C,3,1,K2,T4) - 8*E(A,C,3,1,K2,T5) - 8*E(A,C,3,2,K1,T1)

- 8*E(A,C,3,2,K1,T2) - 8*E(A,C,3,2,K1,T3) - 8*E(A,C,3,2,K1,T4)

- 8*E(A,C,3,2,K1,T5) - 8*E(A,C,3,2,K2,T1) - 8*E(A,C,3,2,K2,T2)

- 8*E(A,C,3,2,K2,T3) - 8*E(A,C,3,2,K2,T4) - 8*E(A,C,3,2,K2,T5)

- 8*E(A,C,3,3,K1,T1) - 8*E(A,C,3,3,K1,T2) - 8*E(A,C,3,3,K1,T3)

- 8*E(A,C,3,3,K1,T4) - 8*E(A,C,3,3,K1,T5) - 8*E(A,C,3,3,K2,T1)

- 8*E(A,C,3,3,K2,T2) - 8*E(A,C,3,3,K2,T3) - 8*E(A,C,3,3,K2,T4)

- 8*E(A,C,3,3,K2,T5) - 8*E(B,A,1,1,K1,T1) - 8*E(B,A,1,1,K1,T2)

- 8*E(B,A,1,1,K1,T3) - 8*E(B,A,1,1,K1,T4) - 8*E(B,A,1,1,K1,T5)

- 8*E(B,A,1,1,K2,T1) - 8*E(B,A,1,1,K2,T2) - 8*E(B,A,1,1,K2,T3)

- 8*E(B,A,1,1,K2,T4) - 8*E(B,A,1,1,K2,T5) - 8*E(B,A,1,2,K1,T1)

- 8*E(B,A,1,2,K1,T2) - 8*E(B,A,1,2,K1,T3) - 8*E(B,A,1,2,K1,T4)

- 8*E(B,A,1,2,K1,T5) - 8*E(B,A,1,2,K2,T1) - 8*E(B,A,1,2,K2,T2)

- 8*E(B,A,1,2,K2,T3) - 8*E(B,A,1,2,K2,T4) - 8*E(B,A,1,2,K2,T5)

- 8*E(B,A,1,3,K1,T1) - 8*E(B,A,1,3,K1,T2) - 8*E(B,A,1,3,K1,T3)

- 8*E(B,A,1,3,K1,T4) - 8*E(B,A,1,3,K1,T5) - 8*E(B,A,1,3,K2,T1)

- 8*E(B,A,1,3,K2,T2) - 8*E(B,A,1,3,K2,T3) - 8*E(B,A,1,3,K2,T4)

- 8*E(B,A,1,3,K2,T5) - 8*E(B,A,2,1,K1,T1) - 8*E(B,A,2,1,K1,T2)

- 8*E(B,A,2,1,K1,T3) - 8*E(B,A,2,1,K1,T4) - 8*E(B,A,2,1,K1,T5)

- 8*E(B,A,2,1,K2,T1) - 8*E(B,A,2,1,K2,T2) - 8*E(B,A,2,1,K2,T3)

- 8*E(B,A,2,1,K2,T4) - 8*E(B,A,2,1,K2,T5) - 8*E(B,A,2,2,K1,T1)

- 8*E(B,A,2,2,K1,T2) - 8*E(B,A,2,2,K1,T3) - 8*E(B,A,2,2,K1,T4)

- 8*E(B,A,2,2,K1,T5) - 8*E(B,A,2,2,K2,T1) - 8*E(B,A,2,2,K2,T2)

- 8*E(B,A,2,2,K2,T3) - 8*E(B,A,2,2,K2,T4) - 8*E(B,A,2,2,K2,T5)

- 8*E(B,A,2,3,K1,T1) - 8*E(B,A,2,3,K1,T2) - 8*E(B,A,2,3,K1,T3)

- 8*E(B,A,2,3,K1,T4) - 8*E(B,A,2,3,K1,T5) - 8*E(B,A,2,3,K2,T1)

- 8*E(B,A,2,3,K2,T2) - 8*E(B,A,2,3,K2,T3) - 8*E(B,A,2,3,K2,T4)

- 8*E(B,A,2,3,K2,T5) - 8*E(B,A,3,1,K1,T1) - 8*E(B,A,3,1,K1,T2)

- 8*E(B,A,3,1,K1,T3) - 8*E(B,A,3,1,K1,T4) - 8*E(B,A,3,1,K1,T5)

- 8*E(B,A,3,1,K2,T1) - 8*E(B,A,3,1,K2,T2) - 8*E(B,A,3,1,K2,T3)

- 8*E(B,A,3,1,K2,T4) - 8*E(B,A,3,1,K2,T5) - 8*E(B,A,3,2,K1,T1)

- 8*E(B,A,3,2,K1,T2) - 8*E(B,A,3,2,K1,T3) - 8*E(B,A,3,2,K1,T4)

- 8*E(B,A,3,2,K1,T5) - 8*E(B,A,3,2,K2,T1) - 8*E(B,A,3,2,K2,T2)

- 8*E(B,A,3,2,K2,T3) - 8*E(B,A,3,2,K2,T4) - 8*E(B,A,3,2,K2,T5)

- 8*E(B,A,3,3,K1,T1) - 8*E(B,A,3,3,K1,T2) - 8*E(B,A,3,3,K1,T3)

- 8*E(B,A,3,3,K1,T4) - 8*E(B,A,3,3,K1,T5) - 8*E(B,A,3,3,K2,T1)

- 8*E(B,A,3,3,K2,T2) - 8*E(B,A,3,3,K2,T3) - 8*E(B,A,3,3,K2,T4)

- 8*E(B,A,3,3,K2,T5) - 8*E(B,B,1,1,K1,T1) - 8*E(B,B,1,1,K1,T2)

- 8*E(B,B,1,1,K1,T3) - 8*E(B,B,1,1,K1,T4) - 8*E(B,B,1,1,K1,T5)

- 8*E(B,B,1,1,K2,T1) - 8*E(B,B,1,1,K2,T2) - 8*E(B,B,1,1,K2,T3)

- 8*E(B,B,1,1,K2,T4) - 8*E(B,B,1,1,K2,T5) - 8*E(B,B,1,2,K1,T1)

- 8*E(B,B,1,2,K1,T2) - 8*E(B,B,1,2,K1,T3) - 8*E(B,B,1,2,K1,T4)

- 8*E(B,B,1,2,K1,T5) - 8*E(B,B,1,2,K2,T1) - 8*E(B,B,1,2,K2,T2)

- 8*E(B,B,1,2,K2,T3) - 8*E(B,B,1,2,K2,T4) - 8*E(B,B,1,2,K2,T5)

- 8*E(B,B,1,3,K1,T1) - 8*E(B,B,1,3,K1,T2) - 8*E(B,B,1,3,K1,T3)

- 8*E(B,B,1,3,K1,T4) - 8*E(B,B,1,3,K1,T5) - 8*E(B,B,1,3,K2,T1)

- 8*E(B,B,1,3,K2,T2) - 8*E(B,B,1,3,K2,T3) - 8*E(B,B,1,3,K2,T4)

- 8*E(B,B,1,3,K2,T5) - 8*E(B,B,2,1,K1,T1) - 8*E(B,B,2,1,K1,T2)

- 8*E(B,B,2,1,K1,T3) - 8*E(B,B,2,1,K1,T4) - 8*E(B,B,2,1,K1,T5)

- 8*E(B,B,2,1,K2,T1) - 8*E(B,B,2,1,K2,T2) - 8*E(B,B,2,1,K2,T3)

- 8*E(B,B,2,1,K2,T4) - 8*E(B,B,2,1,K2,T5) - 8*E(B,B,2,2,K1,T1)

- 8*E(B,B,2,2,K1,T2) - 8*E(B,B,2,2,K1,T3) - 8*E(B,B,2,2,K1,T4)

- 8*E(B,B,2,2,K1,T5) - 8*E(B,B,2,2,K2,T1) - 8*E(B,B,2,2,K2,T2)

- 8*E(B,B,2,2,K2,T3) - 8*E(B,B,2,2,K2,T4) - 8*E(B,B,2,2,K2,T5)

- 8*E(B,B,2,3,K1,T1) - 8*E(B,B,2,3,K1,T2) - 8*E(B,B,2,3,K1,T3)

- 8*E(B,B,2,3,K1,T4) - 8*E(B,B,2,3,K1,T5) - 8*E(B,B,2,3,K2,T1)

- 8*E(B,B,2,3,K2,T2) - 8*E(B,B,2,3,K2,T3) - 8*E(B,B,2,3,K2,T4)

- 8*E(B,B,2,3,K2,T5) - 8*E(B,B,3,1,K1,T1) - 8*E(B,B,3,1,K1,T2)

- 8*E(B,B,3,1,K1,T3) - 8*E(B,B,3,1,K1,T4) - 8*E(B,B,3,1,K1,T5)

- 8*E(B,B,3,1,K2,T1) - 8*E(B,B,3,1,K2,T2) - 8*E(B,B,3,1,K2,T3)

- 8*E(B,B,3,1,K2,T4) - 8*E(B,B,3,1,K2,T5) - 8*E(B,B,3,2,K1,T1)

- 8*E(B,B,3,2,K1,T2) - 8*E(B,B,3,2,K1,T3) - 8*E(B,B,3,2,K1,T4)

- 8*E(B,B,3,2,K1,T5) - 8*E(B,B,3,2,K2,T1) - 8*E(B,B,3,2,K2,T2)

- 8*E(B,B,3,2,K2,T3) - 8*E(B,B,3,2,K2,T4) - 8*E(B,B,3,2,K2,T5)

- 8*E(B,B,3,3,K1,T1) - 8*E(B,B,3,3,K1,T2) - 8*E(B,B,3,3,K1,T3)

- 8*E(B,B,3,3,K1,T4) - 8*E(B,B,3,3,K1,T5) - 8*E(B,B,3,3,K2,T1)

- 8*E(B,B,3,3,K2,T2) - 8*E(B,B,3,3,K2,T3) - 8*E(B,B,3,3,K2,T4)

- 8*E(B,B,3,3,K2,T5) - 8*E(B,C,1,1,K1,T1) - 8*E(B,C,1,1,K1,T2)

- 8*E(B,C,1,1,K1,T3) - 8*E(B,C,1,1,K1,T4) - 8*E(B,C,1,1,K1,T5)

- 8*E(B,C,1,1,K2,T1) - 8*E(B,C,1,1,K2,T2) - 8*E(B,C,1,1,K2,T3)

- 8*E(B,C,1,1,K2,T4) - 8*E(B,C,1,1,K2,T5) - 8*E(B,C,1,2,K1,T1)

- 8*E(B,C,1,2,K1,T2) - 8*E(B,C,1,2,K1,T3) - 8*E(B,C,1,2,K1,T4)

- 8*E(B,C,1,2,K1,T5) - 8*E(B,C,1,2,K2,T1) - 8*E(B,C,1,2,K2,T2)

- 8*E(B,C,1,2,K2,T3) - 8*E(B,C,1,2,K2,T4) - 8*E(B,C,1,2,K2,T5)

- 8*E(B,C,1,3,K1,T1) - 8*E(B,C,1,3,K1,T2) - 8*E(B,C,1,3,K1,T3)

- 8*E(B,C,1,3,K1,T4) - 8*E(B,C,1,3,K1,T5) - 8*E(B,C,1,3,K2,T1)

- 8*E(B,C,1,3,K2,T2) - 8*E(B,C,1,3,K2,T3) - 8*E(B,C,1,3,K2,T4)

- 8*E(B,C,1,3,K2,T5) - 8*E(B,C,2,1,K1,T1) - 8*E(B,C,2,1,K1,T2)

- 8*E(B,C,2,1,K1,T3) - 8*E(B,C,2,1,K1,T4) - 8*E(B,C,2,1,K1,T5)

- 8*E(B,C,2,1,K2,T1) - 8*E(B,C,2,1,K2,T2) - 8*E(B,C,2,1,K2,T3)

- 8*E(B,C,2,1,K2,T4) - 8*E(B,C,2,1,K2,T5) - 8*E(B,C,2,2,K1,T1)

- 8*E(B,C,2,2,K1,T2) - 8*E(B,C,2,2,K1,T3) - 8*E(B,C,2,2,K1,T4)

- 8*E(B,C,2,2,K1,T5) - 8*E(B,C,2,2,K2,T1) - 8*E(B,C,2,2,K2,T2)

- 8*E(B,C,2,2,K2,T3) - 8*E(B,C,2,2,K2,T4) - 8*E(B,C,2,2,K2,T5)

- 8*E(B,C,2,3,K1,T1) - 8*E(B,C,2,3,K1,T2) - 8*E(B,C,2,3,K1,T3)

- 8*E(B,C,2,3,K1,T4) - 8*E(B,C,2,3,K1,T5) - 8*E(B,C,2,3,K2,T1)

- 8*E(B,C,2,3,K2,T2) - 8*E(B,C,2,3,K2,T3) - 8*E(B,C,2,3,K2,T4)

- 8*E(B,C,2,3,K2,T5) - 8*E(B,C,3,1,K1,T1) - 8*E(B,C,3,1,K1,T2)

- 8*E(B,C,3,1,K1,T3) - 8*E(B,C,3,1,K1,T4) - 8*E(B,C,3,1,K1,T5)

- 8*E(B,C,3,1,K2,T1) - 8*E(B,C,3,1,K2,T2) - 8*E(B,C,3,1,K2,T3)

- 8*E(B,C,3,1,K2,T4) - 8*E(B,C,3,1,K2,T5) - 8*E(B,C,3,2,K1,T1)

- 8*E(B,C,3,2,K1,T2) - 8*E(B,C,3,2,K1,T3) - 8*E(B,C,3,2,K1,T4)

- 8*E(B,C,3,2,K1,T5) - 8*E(B,C,3,2,K2,T1) - 8*E(B,C,3,2,K2,T2)

- 8*E(B,C,3,2,K2,T3) - 8*E(B,C,3,2,K2,T4) - 8*E(B,C,3,2,K2,T5)

- 8*E(B,C,3,3,K1,T1) - 8*E(B,C,3,3,K1,T2) - 8*E(B,C,3,3,K1,T3)

- 8*E(B,C,3,3,K1,T4) - 8*E(B,C,3,3,K1,T5) - 8*E(B,C,3,3,K2,T1)

- 8*E(B,C,3,3,K2,T2) - 8*E(B,C,3,3,K2,T3) - 8*E(B,C,3,3,K2,T4)

- 8*E(B,C,3,3,K2,T5) - 8*E(C,A,1,1,K1,T1) - 8*E(C,A,1,1,K1,T2)

- 8*E(C,A,1,1,K1,T3) - 8*E(C,A,1,1,K1,T4) - 8*E(C,A,1,1,K1,T5)

- 8*E(C,A,1,1,K2,T1) - 8*E(C,A,1,1,K2,T2) - 8*E(C,A,1,1,K2,T3)

- 8*E(C,A,1,1,K2,T4) - 8*E(C,A,1,1,K2,T5) - 8*E(C,A,1,2,K1,T1)

- 8*E(C,A,1,2,K1,T2) - 8*E(C,A,1,2,K1,T3) - 8*E(C,A,1,2,K1,T4)

- 8*E(C,A,1,2,K1,T5) - 8*E(C,A,1,2,K2,T1) - 8*E(C,A,1,2,K2,T2)

- 8*E(C,A,1,2,K2,T3) - 8*E(C,A,1,2,K2,T4) - 8*E(C,A,1,2,K2,T5)

- 8*E(C,A,1,3,K1,T1) - 8*E(C,A,1,3,K1,T2) - 8*E(C,A,1,3,K1,T3)

- 8*E(C,A,1,3,K1,T4) - 8*E(C,A,1,3,K1,T5) - 8*E(C,A,1,3,K2,T1)

- 8*E(C,A,1,3,K2,T2) - 8*E(C,A,1,3,K2,T3) - 8*E(C,A,1,3,K2,T4)

- 8*E(C,A,1,3,K2,T5) - 8*E(C,A,2,1,K1,T1) - 8*E(C,A,2,1,K1,T2)

- 8*E(C,A,2,1,K1,T3) - 8*E(C,A,2,1,K1,T4) - 8*E(C,A,2,1,K1,T5)

- 8*E(C,A,2,1,K2,T1) - 8*E(C,A,2,1,K2,T2) - 8*E(C,A,2,1,K2,T3)

- 8*E(C,A,2,1,K2,T4) - 8*E(C,A,2,1,K2,T5) - 8*E(C,A,2,2,K1,T1)

- 8*E(C,A,2,2,K1,T2) - 8*E(C,A,2,2,K1,T3) - 8*E(C,A,2,2,K1,T4)

- 8*E(C,A,2,2,K1,T5) - 8*E(C,A,2,2,K2,T1) - 8*E(C,A,2,2,K2,T2)

- 8*E(C,A,2,2,K2,T3) - 8*E(C,A,2,2,K2,T4) - 8*E(C,A,2,2,K2,T5)

- 8*E(C,A,2,3,K1,T1) - 8*E(C,A,2,3,K1,T2) - 8*E(C,A,2,3,K1,T3)

- 8*E(C,A,2,3,K1,T4) - 8*E(C,A,2,3,K1,T5) - 8*E(C,A,2,3,K2,T1)

- 8*E(C,A,2,3,K2,T2) - 8*E(C,A,2,3,K2,T3) - 8*E(C,A,2,3,K2,T4)

- 8*E(C,A,2,3,K2,T5) - 8*E(C,A,3,1,K1,T1) - 8*E(C,A,3,1,K1,T2)

- 8*E(C,A,3,1,K1,T3) - 8*E(C,A,3,1,K1,T4) - 8*E(C,A,3,1,K1,T5)

- 8*E(C,A,3,1,K2,T1) - 8*E(C,A,3,1,K2,T2) - 8*E(C,A,3,1,K2,T3)

- 8*E(C,A,3,1,K2,T4) - 8*E(C,A,3,1,K2,T5) - 8*E(C,A,3,2,K1,T1)

- 8*E(C,A,3,2,K1,T2) - 8*E(C,A,3,2,K1,T3) - 8*E(C,A,3,2,K1,T4)

- 8*E(C,A,3,2,K1,T5) - 8*E(C,A,3,2,K2,T1) - 8*E(C,A,3,2,K2,T2)

- 8*E(C,A,3,2,K2,T3) - 8*E(C,A,3,2,K2,T4) - 8*E(C,A,3,2,K2,T5)

- 8*E(C,A,3,3,K1,T1) - 8*E(C,A,3,3,K1,T2) - 8*E(C,A,3,3,K1,T3)

- 8*E(C,A,3,3,K1,T4) - 8*E(C,A,3,3,K1,T5) - 8*E(C,A,3,3,K2,T1)

- 8*E(C,A,3,3,K2,T2) - 8*E(C,A,3,3,K2,T3) - 8*E(C,A,3,3,K2,T4)

- 8*E(C,A,3,3,K2,T5) - 8*E(C,B,1,1,K1,T1) - 8*E(C,B,1,1,K1,T2)

- 8*E(C,B,1,1,K1,T3) - 8*E(C,B,1,1,K1,T4) - 8*E(C,B,1,1,K1,T5)

- 8*E(C,B,1,1,K2,T1) - 8*E(C,B,1,1,K2,T2) - 8*E(C,B,1,1,K2,T3)

- 8*E(C,B,1,1,K2,T4) - 8*E(C,B,1,1,K2,T5) - 8*E(C,B,1,2,K1,T1)

- 8*E(C,B,1,2,K1,T2) - 8*E(C,B,1,2,K1,T3) - 8*E(C,B,1,2,K1,T4)

- 8*E(C,B,1,2,K1,T5) - 8*E(C,B,1,2,K2,T1) - 8*E(C,B,1,2,K2,T2)

- 8*E(C,B,1,2,K2,T3) - 8*E(C,B,1,2,K2,T4) - 8*E(C,B,1,2,K2,T5)

- 8*E(C,B,1,3,K1,T1) - 8*E(C,B,1,3,K1,T2) - 8*E(C,B,1,3,K1,T3)

- 8*E(C,B,1,3,K1,T4) - 8*E(C,B,1,3,K1,T5) - 8*E(C,B,1,3,K2,T1)

- 8*E(C,B,1,3,K2,T2) - 8*E(C,B,1,3,K2,T3) - 8*E(C,B,1,3,K2,T4)

- 8*E(C,B,1,3,K2,T5) - 8*E(C,B,2,1,K1,T1) - 8*E(C,B,2,1,K1,T2)

- 8*E(C,B,2,1,K1,T3) - 8*E(C,B,2,1,K1,T4) - 8*E(C,B,2,1,K1,T5)

- 8*E(C,B,2,1,K2,T1) - 8*E(C,B,2,1,K2,T2) - 8*E(C,B,2,1,K2,T3)

- 8*E(C,B,2,1,K2,T4) - 8*E(C,B,2,1,K2,T5) - 8*E(C,B,2,2,K1,T1)

- 8*E(C,B,2,2,K1,T2) - 8*E(C,B,2,2,K1,T3) - 8*E(C,B,2,2,K1,T4)

- 8*E(C,B,2,2,K1,T5) - 8*E(C,B,2,2,K2,T1) - 8*E(C,B,2,2,K2,T2)

- 8*E(C,B,2,2,K2,T3) - 8*E(C,B,2,2,K2,T4) - 8*E(C,B,2,2,K2,T5)

- 8*E(C,B,2,3,K1,T1) - 8*E(C,B,2,3,K1,T2) - 8*E(C,B,2,3,K1,T3)

- 8*E(C,B,2,3,K1,T4) - 8*E(C,B,2,3,K1,T5) - 8*E(C,B,2,3,K2,T1)

- 8*E(C,B,2,3,K2,T2) - 8*E(C,B,2,3,K2,T3) - 8*E(C,B,2,3,K2,T4)

- 8*E(C,B,2,3,K2,T5) - 8*E(C,B,3,1,K1,T1) - 8*E(C,B,3,1,K1,T2)

- 8*E(C,B,3,1,K1,T3) - 8*E(C,B,3,1,K1,T4) - 8*E(C,B,3,1,K1,T5)

- 8*E(C,B,3,1,K2,T1) - 8*E(C,B,3,1,K2,T2) - 8*E(C,B,3,1,K2,T3)

- 8*E(C,B,3,1,K2,T4) - 8*E(C,B,3,1,K2,T5) - 8*E(C,B,3,2,K1,T1)

- 8*E(C,B,3,2,K1,T2) - 8*E(C,B,3,2,K1,T3) - 8*E(C,B,3,2,K1,T4)

- 8*E(C,B,3,2,K1,T5) - 8*E(C,B,3,2,K2,T1) - 8*E(C,B,3,2,K2,T2)

- 8*E(C,B,3,2,K2,T3) - 8*E(C,B,3,2,K2,T4) - 8*E(C,B,3,2,K2,T5)

- 8*E(C,B,3,3,K1,T1) - 8*E(C,B,3,3,K1,T2) - 8*E(C,B,3,3,K1,T3)

- 8*E(C,B,3,3,K1,T4) - 8*E(C,B,3,3,K1,T5) - 8*E(C,B,3,3,K2,T1)

- 8*E(C,B,3,3,K2,T2) - 8*E(C,B,3,3,K2,T3) - 8*E(C,B,3,3,K2,T4)

- 8*E(C,B,3,3,K2,T5) - 8*E(C,C,1,1,K1,T1) - 8*E(C,C,1,1,K1,T2)

- 8*E(C,C,1,1,K1,T3) - 8*E(C,C,1,1,K1,T4) - 8*E(C,C,1,1,K1,T5)

- 8*E(C,C,1,1,K2,T1) - 8*E(C,C,1,1,K2,T2) - 8*E(C,C,1,1,K2,T3)

- 8*E(C,C,1,1,K2,T4) - 8*E(C,C,1,1,K2,T5) - 8*E(C,C,1,2,K1,T1)

- 8*E(C,C,1,2,K1,T2) - 8*E(C,C,1,2,K1,T3) - 8*E(C,C,1,2,K1,T4)

- 8*E(C,C,1,2,K1,T5) - 8*E(C,C,1,2,K2,T1) - 8*E(C,C,1,2,K2,T2)

- 8*E(C,C,1,2,K2,T3) - 8*E(C,C,1,2,K2,T4) - 8*E(C,C,1,2,K2,T5)

- 8*E(C,C,1,3,K1,T1) - 8*E(C,C,1,3,K1,T2) - 8*E(C,C,1,3,K1,T3)

- 8*E(C,C,1,3,K1,T4) - 8*E(C,C,1,3,K1,T5) - 8*E(C,C,1,3,K2,T1)

- 8*E(C,C,1,3,K2,T2) - 8*E(C,C,1,3,K2,T3) - 8*E(C,C,1,3,K2,T4)

- 8*E(C,C,1,3,K2,T5) - 8*E(C,C,2,1,K1,T1) - 8*E(C,C,2,1,K1,T2)

- 8*E(C,C,2,1,K1,T3) - 8*E(C,C,2,1,K1,T4) - 8*E(C,C,2,1,K1,T5)

- 8*E(C,C,2,1,K2,T1) - 8*E(C,C,2,1,K2,T2) - 8*E(C,C,2,1,K2,T3)

- 8*E(C,C,2,1,K2,T4) - 8*E(C,C,2,1,K2,T5) - 8*E(C,C,2,2,K1,T1)

- 8*E(C,C,2,2,K1,T2) - 8*E(C,C,2,2,K1,T3) - 8*E(C,C,2,2,K1,T4)

- 8*E(C,C,2,2,K1,T5) - 8*E(C,C,2,2,K2,T1) - 8*E(C,C,2,2,K2,T2)

- 8*E(C,C,2,2,K2,T3) - 8*E(C,C,2,2,K2,T4) - 8*E(C,C,2,2,K2,T5)

- 8*E(C,C,2,3,K1,T1) - 8*E(C,C,2,3,K1,T2) - 8*E(C,C,2,3,K1,T3)

- 8*E(C,C,2,3,K1,T4) - 8*E(C,C,2,3,K1,T5) - 8*E(C,C,2,3,K2,T1)

- 8*E(C,C,2,3,K2,T2) - 8*E(C,C,2,3,K2,T3) - 8*E(C,C,2,3,K2,T4)

- 8*E(C,C,2,3,K2,T5) - 8*E(C,C,3,1,K1,T1) - 8*E(C,C,3,1,K1,T2)

- 8*E(C,C,3,1,K1,T3) - 8*E(C,C,3,1,K1,T4) - 8*E(C,C,3,1,K1,T5)

- 8*E(C,C,3,1,K2,T1) - 8*E(C,C,3,1,K2,T2) - 8*E(C,C,3,1,K2,T3)

- 8*E(C,C,3,1,K2,T4) - 8*E(C,C,3,1,K2,T5) - 8*E(C,C,3,2,K1,T1)

- 8*E(C,C,3,2,K1,T2) - 8*E(C,C,3,2,K1,T3) - 8*E(C,C,3,2,K1,T4)

- 8*E(C,C,3,2,K1,T5) - 8*E(C,C,3,2,K2,T1) - 8*E(C,C,3,2,K2,T2)

- 8*E(C,C,3,2,K2,T3) - 8*E(C,C,3,2,K2,T4) - 8*E(C,C,3,2,K2,T5)

- 8*E(C,C,3,3,K1,T1) - 8*E(C,C,3,3,K1,T2) - 8*E(C,C,3,3,K1,T3)

- 8*E(C,C,3,3,K1,T4) - 8*E(C,C,3,3,K1,T5) - 8*E(C,C,3,3,K2,T1)

- 8*E(C,C,3,3,K2,T2) - 8*E(C,C,3,3,K2,T3) - 8*E(C,C,3,3,K2,T4)

- 8*E(C,C,3,3,K2,T5) =E= 0 ; (LHS = 0)

---- E1 =E=

E1(1,T1,K1,A).. - X(1,2,K1,A,T1) - X(1,3,K1,A,T1) - I(K1,A,1,T1)

   - E(A,A,1,1,K1,T1) - E(A,A,1,2,K1,T1) - E(A,A,1,3,K1,T1)

   - E(A,B,1,1,K1,T1) - E(A,B,1,2,K1,T1) - E(A,B,1,3,K1,T1)

   - E(A,C,1,1,K1,T1) - E(A,C,1,2,K1,T1) - E(A,C,1,3,K1,T1) =E= -20 ;

   (LHS = 0, INFES = 20 ****)

E1(1,T1,K1,B).. - X(1,2,K1,B,T1) - X(1,3,K1,B,T1) - I(K1,B,1,T1)

   - E(B,A,1,1,K1,T1) - E(B,A,1,2,K1,T1) - E(B,A,1,3,K1,T1)

   - E(B,B,1,1,K1,T1) - E(B,B,1,2,K1,T1) - E(B,B,1,3,K1,T1)

   - E(B,C,1,1,K1,T1) - E(B,C,1,2,K1,T1) - E(B,C,1,3,K1,T1) =E= -18 ;

   (LHS = 0, INFES = 18 ****)

E1(1,T1,K1,C).. - X(1,2,K1,C,T1) - X(1,3,K1,C,T1) - I(K1,C,1,T1)

   - E(C,A,1,1,K1,T1) - E(C,A,1,2,K1,T1) - E(C,A,1,3,K1,T1)

   - E(C,B,1,1,K1,T1) - E(C,B,1,2,K1,T1) - E(C,B,1,3,K1,T1)

   - E(C,C,1,1,K1,T1) - E(C,C,1,2,K1,T1) - E(C,C,1,3,K1,T1) =E= -13 ;

   (LHS = 0, INFES = 13 ****)

E1(1,T1,K2,A).. - X(1,2,K2,A,T1) - X(1,3,K2,A,T1) - I(K2,A,1,T1)

   - E(A,A,1,1,K2,T1) - E(A,A,1,2,K2,T1) - E(A,A,1,3,K2,T1)

   - E(A,B,1,1,K2,T1) - E(A,B,1,2,K2,T1) - E(A,B,1,3,K2,T1)

   - E(A,C,1,1,K2,T1) - E(A,C,1,2,K2,T1) - E(A,C,1,3,K2,T1) =E= -12 ;

   (LHS = 0, INFES = 12 ****)

E1(1,T1,K2,B).. - X(1,2,K2,B,T1) - X(1,3,K2,B,T1) - I(K2,B,1,T1)

    - E(B,A,1,1,K2,T1) - E(B,A,1,2,K2,T1) - E(B,A,1,3,K2,T1)

    - E(B,B,1,1,K2,T1) - E(B,B,1,2,K2,T1) - E(B,B,1,3,K2,T1)

    - E(B,C,1,1,K2,T1) - E(B,C,1,2,K2,T1) - E(B,C,1,3,K2,T1) =E= -9 ;

    (LHS = 0, INFES = 9 ****)

E1(1,T1,K2,C).. - X(1,2,K2,C,T1) - X(1,3,K2,C,T1) - I(K2,C,1,T1)

    - E(C,A,1,1,K2,T1) - E(C,A,1,2,K2,T1) - E(C,A,1,3,K2,T1)

    - E(C,B,1,1,K2,T1) - E(C,B,1,2,K2,T1) - E(C,B,1,3,K2,T1)

    - E(C,C,1,1,K2,T1) - E(C,C,1,2,K2,T1) - E(C,C,1,3,K2,T1) =E= -31 ;

    (LHS = 0, INFES = 31 ****)

E1(1,T2,K1,A).. - X(1,2,K1,A,T2) - X(1,3,K1,A,T2) + X(2,1,K1,A,T1)

    + I(K1,A,1,T1) - I(K1,A,1,T2) - E(A,A,1,1,K1,T2) - E(A,A,1,2,K1,T2)

    - E(A,A,1,3,K1,T2) - E(A,B,1,1,K1,T2) - E(A,B,1,2,K1,T2)

    - E(A,B,1,3,K1,T2) - E(A,C,1,1,K1,T2) - E(A,C,1,2,K1,T2)

- E(A,C,1,3,K1,T2) =E= -23 ; (LHS = 0, INFES = 23 ****)

E1(1,T2,K1,B).. - X(1,2,K1,B,T2) - X(1,3,K1,B,T2) + X(2,1,K1,B,T1)

  + I(K1,B,1,T1) - I(K1,B,1,T2) - E(B,A,1,1,K1,T2) - E(B,A,1,2,K1,T2)

  - E(B,A,1,3,K1,T2) - E(B,B,1,1,K1,T2) - E(B,B,1,2,K1,T2)

  - E(B,B,1,3,K1,T2) - E(B,C,1,1,K1,T2) - E(B,C,1,2,K1,T2)

  - E(B,C,1,3,K1,T2) =E= 0 ; (LHS = 0)

E1(1,T2,K1,C).. - X(1,2,K1,C,T2) - X(1,3,K1,C,T2) + X(2,1,K1,C,T1)

  + I(K1,C,1,T1) - I(K1,C,1,T2) - E(C,A,1,1,K1,T2) - E(C,A,1,2,K1,T2)

  - E(C,A,1,3,K1,T2) - E(C,B,1,1,K1,T2) - E(C,B,1,2,K1,T2)

  - E(C,B,1,3,K1,T2) - E(C,C,1,1,K1,T2) - E(C,C,1,2,K1,T2)

  - E(C,C,1,3,K1,T2) =E= -4 ; (LHS = 0, INFES = 4 ****)

E1(1,T2,K2,A).. - X(1,2,K2,A,T2) - X(1,3,K2,A,T2) + X(2,1,K2,A,T1)

  + I(K2,A,1,T1) - I(K2,A,1,T2) - E(A,A,1,1,K2,T2) - E(A,A,1,2,K2,T2)

  - E(A,A,1,3,K2,T2) - E(A,B,1,1,K2,T2) - E(A,B,1,2,K2,T2)

  - E(A,B,1,3,K2,T2) - E(A,C,1,1,K2,T2) - E(A,C,1,2,K2,T2)

- E(A,C,1,3,K2,T2) =E= -13 ; (LHS = 0, INFES = 13 ****)

E1(1,T2,K2,B).. - X(1,2,K2,B,T2) - X(1,3,K2,B,T2) + X(2,1,K2,B,T1)

    + I(K2,B,1,T1) - I(K2,B,1,T2) - E(B,A,1,1,K2,T2) - E(B,A,1,2,K2,T2)

    - E(B,A,1,3,K2,T2) - E(B,B,1,1,K2,T2) - E(B,B,1,2,K2,T2)

    - E(B,B,1,3,K2,T2) - E(B,C,1,1,K2,T2) - E(B,C,1,2,K2,T2)

    - E(B,C,1,3,K2,T2) =E= -9 ; (LHS = 0, INFES = 9 ****)

E1(1,T2,K2,C).. - X(1,2,K2,C,T2) - X(1,3,K2,C,T2) + X(2,1,K2,C,T1)

    + I(K2,C,1,T1) - I(K2,C,1,T2) - E(C,A,1,1,K2,T2) - E(C,A,1,2,K2,T2)

    - E(C,A,1,3,K2,T2) - E(C,B,1,1,K2,T2) - E(C,B,1,2,K2,T2)

    - E(C,B,1,3,K2,T2) - E(C,C,1,1,K2,T2) - E(C,C,1,2,K2,T2)

    - E(C,C,1,3,K2,T2) =E= -12 ; (LHS = 0, INFES = 12 ****)

E1(1,T3,K1,A).. - X(1,2,K1,A,T3) - X(1,3,K1,A,T3) + X(2,1,K1,A,T2)

    + I(K1,A,1,T2) - I(K1,A,1,T3) + E(A,A,1,1,K1,T1) - E(A,A,1,1,K1,T3)

    - E(A,A,1,2,K1,T3) - E(A,A,1,3,K1,T3) + E(A,B,1,1,K1,T1)

- E(A,B,1,1,K1,T3) - E(A,B,1,2,K1,T3) - E(A,B,1,3,K1,T3)

+ E(A,C,1,1,K1,T1) - E(A,C,1,1,K1,T3) - E(A,C,1,2,K1,T3)

- E(A,C,1,3,K1,T3) =E= -18 ; (LHS = 0, INFES = 18 ****)

E1(1,T3,K1,B).. - X(1,2,K1,B,T3) - X(1,3,K1,B,T3) + X(2,1,K1,B,T2)

+ I(K1,B,1,T2) - I(K1,B,1,T3) + E(B,A,1,1,K1,T1) - E(B,A,1,1,K1,T3)

- E(B,A,1,2,K1,T3) - E(B,A,1,3,K1,T3) + E(B,B,1,1,K1,T1)

- E(B,B,1,1,K1,T3) - E(B,B,1,2,K1,T3) - E(B,B,1,3,K1,T3)

+ E(B,C,1,1,K1,T1) - E(B,C,1,1,K1,T3) - E(B,C,1,2,K1,T3)

- E(B,C,1,3,K1,T3) =E= -31 ; (LHS = 0, INFES = 31 ****)

E1(1,T3,K1,C).. - X(1,2,K1,C,T3) - X(1,3,K1,C,T3) + X(2,1,K1,C,T2)

+ I(K1,C,1,T2) - I(K1,C,1,T3) + E(C,A,1,1,K1,T1) - E(C,A,1,1,K1,T3)

- E(C,A,1,2,K1,T3) - E(C,A,1,3,K1,T3) + E(C,B,1,1,K1,T1)

- E(C,B,1,1,K1,T3) - E(C,B,1,2,K1,T3) - E(C,B,1,3,K1,T3)

+ E(C,C,1,1,K1,T1) - E(C,C,1,1,K1,T3) - E(C,C,1,2,K1,T3)

- E(C,C,1,3,K1,T3) =E= -8 ; (LHS = 0, INFES = 8 ****)

E1(1,T3,K2,A).. - X(1,2,K2,A,T3) - X(1,3,K2,A,T3) + X(2,1,K2,A,T2)

   + I(K2,A,1,T2) - I(K2,A,1,T3) + E(A,A,1,1,K2,T1) - E(A,A,1,1,K2,T3)

   - E(A,A,1,2,K2,T3) - E(A,A,1,3,K2,T3) + E(A,B,1,1,K2,T1)

   - E(A,B,1,1,K2,T3) - E(A,B,1,2,K2,T3) - E(A,B,1,3,K2,T3)

   + E(A,C,1,1,K2,T1) - E(A,C,1,1,K2,T3) - E(A,C,1,2,K2,T3)

   - E(A,C,1,3,K2,T3) =E= -16 ; (LHS = 0, INFES = 16 ****)

E1(1,T3,K2,B).. - X(1,2,K2,B,T3) - X(1,3,K2,B,T3) + X(2,1,K2,B,T2)

   + I(K2,B,1,T2) - I(K2,B,1,T3) + E(B,A,1,1,K2,T1) - E(B,A,1,1,K2,T3)

   - E(B,A,1,2,K2,T3) - E(B,A,1,3,K2,T3) + E(B,B,1,1,K2,T1)

   - E(B,B,1,1,K2,T3) - E(B,B,1,2,K2,T3) - E(B,B,1,3,K2,T3)

   + E(B,C,1,1,K2,T1) - E(B,C,1,1,K2,T3) - E(B,C,1,2,K2,T3)

   - E(B,C,1,3,K2,T3) =E= -15 ; (LHS = 0, INFES = 15 ****)

E1(1,T3,K2,C).. - X(1,2,K2,C,T3) - X(1,3,K2,C,T3) + X(2,1,K2,C,T2)

   + I(K2,C,1,T2) - I(K2,C,1,T3) + E(C,A,1,1,K2,T1) - E(C,A,1,1,K2,T3)

- E(C,A,1,2,K2,T3) - E(C,A,1,3,K2,T3) + E(C,B,1,1,K2,T1)

- E(C,B,1,1,K2,T3) - E(C,B,1,2,K2,T3) - E(C,B,1,3,K2,T3)

+ E(C,C,1,1,K2,T1) - E(C,C,1,1,K2,T3) - E(C,C,1,2,K2,T3)

- E(C,C,1,3,K2,T3) =E= -6 ; (LHS = 0, INFES = 6 ****)

E1(1,T4,K1,A).. - X(1,2,K1,A,T4) - X(1,3,K1,A,T4) + X(2,1,K1,A,T3)

+ X(3,1,K1,A,T1) + I(K1,A,1,T3) - I(K1,A,1,T4) + E(A,A,1,1,K1,T2)

- E(A,A,1,1,K1,T4) - E(A,A,1,2,K1,T4) - E(A,A,1,3,K1,T4)

+ E(A,A,2,1,K1,T1) + E(A,B,1,1,K1,T2) - E(A,B,1,1,K1,T4)

- E(A,B,1,2,K1,T4) - E(A,B,1,3,K1,T4) + E(A,B,2,1,K1,T1)

+ E(A,C,1,1,K1,T2) - E(A,C,1,1,K1,T4) - E(A,C,1,2,K1,T4)

- E(A,C,1,3,K1,T4) + E(A,C,2,1,K1,T1) =E= -12 ; (LHS = 0, INFES = 12 ****)

E1(1,T4,K1,B).. - X(1,2,K1,B,T4) - X(1,3,K1,B,T4) + X(2,1,K1,B,T3)

+ X(3,1,K1,B,T1) + I(K1,B,1,T3) - I(K1,B,1,T4) + E(B,A,1,1,K1,T2)

- E(B,A,1,1,K1,T4) - E(B,A,1,2,K1,T4) - E(B,A,1,3,K1,T4)

+ E(B,A,2,1,K1,T1) + E(B,B,1,1,K1,T2) - E(B,B,1,1,K1,T4)

- E(B,B,1,2,K1,T4) - E(B,B,1,3,K1,T4) + E(B,B,2,1,K1,T1)

+ E(B,C,1,1,K1,T2) - E(B,C,1,1,K1,T4) - E(B,C,1,2,K1,T4)

- E(B,C,1,3,K1,T4) + E(B,C,2,1,K1,T1) =E= -12 ; (LHS = 0, INFES = 12 ****)

E1(1,T4,K1,C).. - X(1,2,K1,C,T4) - X(1,3,K1,C,T4) + X(2,1,K1,C,T3)

+ X(3,1,K1,C,T1) + I(K1,C,1,T3) - I(K1,C,1,T4) + E(C,A,1,1,K1,T2)

- E(C,A,1,1,K1,T4) - E(C,A,1,2,K1,T4) - E(C,A,1,3,K1,T4)

+ E(C,A,2,1,K1,T1) + E(C,B,1,1,K1,T2) - E(C,B,1,1,K1,T4)

- E(C,B,1,2,K1,T4) - E(C,B,1,3,K1,T4) + E(C,B,2,1,K1,T1)

+ E(C,C,1,1,K1,T2) - E(C,C,1,1,K1,T4) - E(C,C,1,2,K1,T4)

- E(C,C,1,3,K1,T4) + E(C,C,2,1,K1,T1) =E= 0 ; (LHS = 0)

E1(1,T4,K2,A).. - X(1,2,K2,A,T4) - X(1,3,K2,A,T4) + X(2,1,K2,A,T3)

+ X(3,1,K2,A,T1) + I(K2,A,1,T3) - I(K2,A,1,T4) + E(A,A,1,1,K2,T2)

- E(A,A,1,1,K2,T4) - E(A,A,1,2,K2,T4) - E(A,A,1,3,K2,T4)

+ E(A,A,2,1,K2,T1) + E(A,B,1,1,K2,T2) - E(A,B,1,1,K2,T4)

- E(A,B,1,2,K2,T4) - E(A,B,1,3,K2,T4) + E(A,B,2,1,K2,T1)

+ E(A,C,1,1,K2,T2) - E(A,C,1,1,K2,T4) - E(A,C,1,2,K2,T4)

- E(A,C,1,3,K2,T4) + E(A,C,2,1,K2,T1) =E= 0 ; (LHS = 0)

E1(1,T4,K2,B).. - X(1,2,K2,B,T4) - X(1,3,K2,B,T4) + X(2,1,K2,B,T3)

+ X(3,1,K2,B,T1) + I(K2,B,1,T3) - I(K2,B,1,T4) + E(B,A,1,1,K2,T2)

- E(B,A,1,1,K2,T4) - E(B,A,1,2,K2,T4) - E(B,A,1,3,K2,T4)

+ E(B,A,2,1,K2,T1) + E(B,B,1,1,K2,T2) - E(B,B,1,1,K2,T4)

- E(B,B,1,2,K2,T4) - E(B,B,1,3,K2,T4) + E(B,B,2,1,K2,T1)

+ E(B,C,1,1,K2,T2) - E(B,C,1,1,K2,T4) - E(B,C,1,2,K2,T4)

- E(B,C,1,3,K2,T4) + E(B,C,2,1,K2,T1) =E= 0 ; (LHS = 0)

E1(1,T4,K2,C).. - X(1,2,K2,C,T4) - X(1,3,K2,C,T4) + X(2,1,K2,C,T3)

+ X(3,1,K2,C,T1) + I(K2,C,1,T3) - I(K2,C,1,T4) + E(C,A,1,1,K2,T2)

- E(C,A,1,1,K2,T4) - E(C,A,1,2,K2,T4) - E(C,A,1,3,K2,T4)

+ E(C,A,2,1,K2,T1) + E(C,B,1,1,K2,T2) - E(C,B,1,1,K2,T4)

- E(C,B,1,2,K2,T4) - E(C,B,1,3,K2,T4) + E(C,B,2,1,K2,T1)

+ E(C,C,1,1,K2,T2) - E(C,C,1,1,K2,T4) - E(C,C,1,2,K2,T4)

- E(C,C,1,3,K2,T4) + E(C,C,2,1,K2,T1) =E= 0 ; (LHS = 0)

E1(1,T5,K1,A).. - X(1,2,K1,A,T5) - X(1,3,K1,A,T5) + X(2,1,K1,A,T4)

+ X(3,1,K1,A,T2) + I(K1,A,1,T4) - I(K1,A,1,T5) + E(A,A,1,1,K1,T3)

- E(A,A,1,1,K1,T5) - E(A,A,1,2,K1,T5) - E(A,A,1,3,K1,T5)

+ E(A,A,2,1,K1,T2) + E(A,B,1,1,K1,T3) - E(A,B,1,1,K1,T5)

- E(A,B,1,2,K1,T5) - E(A,B,1,3,K1,T5) + E(A,B,2,1,K1,T2)

+ E(A,C,1,1,K1,T3) - E(A,C,1,1,K1,T5) - E(A,C,1,2,K1,T5)

- E(A,C,1,3,K1,T5) + E(A,C,2,1,K1,T2) =E= -12 ; (LHS = 0, INFES = 12 ****)

E1(1,T5,K1,B).. - X(1,2,K1,B,T5) - X(1,3,K1,B,T5) + X(2,1,K1,B,T4)

+ X(3,1,K1,B,T2) + I(K1,B,1,T4) - I(K1,B,1,T5) + E(B,A,1,1,K1,T3)

- E(B,A,1,1,K1,T5) - E(B,A,1,2,K1,T5) - E(B,A,1,3,K1,T5)

+ E(B,A,2,1,K1,T2) + E(B,B,1,1,K1,T3) - E(B,B,1,1,K1,T5)

- E(B,B,1,2,K1,T5) - E(B,B,1,3,K1,T5) + E(B,B,2,1,K1,T2)

+ E(B,C,1,1,K1,T3) - E(B,C,1,1,K1,T5) - E(B,C,1,2,K1,T5)

- E(B,C,1,3,K1,T5) + E(B,C,2,1,K1,T2) =E= -8 ; (LHS = 0, INFES = 8 ****)

E1(1,T5,K1,C).. - X(1,2,K1,C,T5) - X(1,3,K1,C,T5) + X(2,1,K1,C,T4)

+ X(3,1,K1,C,T2) + I(K1,C,1,T4) - I(K1,C,1,T5) + E(C,A,1,1,K1,T3)

- E(C,A,1,1,K1,T5) - E(C,A,1,2,K1,T5) - E(C,A,1,3,K1,T5)

+ E(C,A,2,1,K1,T2) + E(C,B,1,1,K1,T3) - E(C,B,1,1,K1,T5)

- E(C,B,1,2,K1,T5) - E(C,B,1,3,K1,T5) + E(C,B,2,1,K1,T2)

+ E(C,C,1,1,K1,T3) - E(C,C,1,1,K1,T5) - E(C,C,1,2,K1,T5)

- E(C,C,1,3,K1,T5) + E(C,C,2,1,K1,T2) =E= -12 ; (LHS = 0, INFES = 12 ****)

E1(1,T5,K2,A).. - X(1,2,K2,A,T5) - X(1,3,K2,A,T5) + X(2,1,K2,A,T4)

+ X(3,1,K2,A,T2) + I(K2,A,1,T4) - I(K2,A,1,T5) + E(A,A,1,1,K2,T3)

- E(A,A,1,1,K2,T5) - E(A,A,1,2,K2,T5) - E(A,A,1,3,K2,T5)

+ E(A,A,2,1,K2,T2) + E(A,B,1,1,K2,T3) - E(A,B,1,1,K2,T5)

- E(A,B,1,2,K2,T5) - E(A,B,1,3,K2,T5) + E(A,B,2,1,K2,T2)

+ E(A,C,1,1,K2,T3) - E(A,C,1,1,K2,T5) - E(A,C,1,2,K2,T5)

- E(A,C,1,3,K2,T5) + E(A,C,2,1,K2,T2) =E= -25 ; (LHS = 0, INFES = 25 ****)

E1(1,T5,K2,B).. - X(1,2,K2,B,T5) - X(1,3,K2,B,T5) + X(2,1,K2,B,T4)

+ X(3,1,K2,B,T2) + I(K2,B,1,T4) - I(K2,B,1,T5) + E(B,A,1,1,K2,T3)

- E(B,A,1,1,K2,T5) - E(B,A,1,2,K2,T5) - E(B,A,1,3,K2,T5)

+ E(B,A,2,1,K2,T2) + E(B,B,1,1,K2,T3) - E(B,B,1,1,K2,T5)

- E(B,B,1,2,K2,T5) - E(B,B,1,3,K2,T5) + E(B,B,2,1,K2,T2)

+ E(B,C,1,1,K2,T3) - E(B,C,1,1,K2,T5) - E(B,C,1,2,K2,T5)

- E(B,C,1,3,K2,T5) + E(B,C,2,1,K2,T2) =E= -1 ; (LHS = 0, INFES = 1 ****)

E1(1,T5,K2,C).. - X(1,2,K2,C,T5) - X(1,3,K2,C,T5) + X(2,1,K2,C,T4)

+ X(3,1,K2,C,T2) + I(K2,C,1,T4) - I(K2,C,1,T5) + E(C,A,1,1,K2,T3)

- E(C,A,1,1,K2,T5) - E(C,A,1,2,K2,T5) - E(C,A,1,3,K2,T5)

+ E(C,A,2,1,K2,T2) + E(C,B,1,1,K2,T3) - E(C,B,1,1,K2,T5)

- E(C,B,1,2,K2,T5) - E(C,B,1,3,K2,T5) + E(C,B,2,1,K2,T2)

+ E(C,C,1,1,K2,T3) - E(C,C,1,1,K2,T5) - E(C,C,1,2,K2,T5)

- E(C,C,1,3,K2,T5) + E(C,C,2,1,K2,T2) =E= -12 ; (LHS = 0, INFES = 12 ****)

E1(2,T1,K1,A).. - X(2,1,K1,A,T1) - X(2,3,K1,A,T1) - I(K1,A,2,T1)

- E(A,A,2,1,K1,T1) - E(A,A,2,2,K1,T1) - E(A,A,2,3,K1,T1)

- E(A,B,2,1,K1,T1) - E(A,B,2,2,K1,T1) - E(A,B,2,3,K1,T1)

- E(A,C,2,1,K1,T1) - E(A,C,2,2,K1,T1) - E(A,C,2,3,K1,T1) =E= 0 ; (LHS = 0)

E1(2,T1,K1,B).. - X(2,1,K1,B,T1) - X(2,3,K1,B,T1) - I(K1,B,2,T1)

- E(B,A,2,1,K1,T1) - E(B,A,2,2,K1,T1) - E(B,A,2,3,K1,T1)

- E(B,B,2,1,K1,T1) - E(B,B,2,2,K1,T1) - E(B,B,2,3,K1,T1)

- E(B,C,2,1,K1,T1) - E(B,C,2,2,K1,T1) - E(B,C,2,3,K1,T1) =E= -19 ;

(LHS = 0, INFES = 19 ****)

E1(2,T1,K1,C).. - X(2,1,K1,C,T1) - X(2,3,K1,C,T1) - I(K1,C,2,T1)

- E(C,A,2,1,K1,T1) - E(C,A,2,2,K1,T1) - E(C,A,2,3,K1,T1)

- E(C,B,2,1,K1,T1) - E(C,B,2,2,K1,T1) - E(C,B,2,3,K1,T1)

- E(C,C,2,1,K1,T1) - E(C,C,2,2,K1,T1) - E(C,C,2,3,K1,T1) =E= -14 ;

(LHS = 0, INFES = 14 ****)

E1(2,T1,K2,A).. - X(2,1,K2,A,T1) - X(2,3,K2,A,T1) - I(K2,A,2,T1)

   - E(A,A,2,1,K2,T1) - E(A,A,2,2,K2,T1) - E(A,A,2,3,K2,T1)

   - E(A,B,2,1,K2,T1) - E(A,B,2,2,K2,T1) - E(A,B,2,3,K2,T1)

   - E(A,C,2,1,K2,T1) - E(A,C,2,2,K2,T1) - E(A,C,2,3,K2,T1) =E= -8 ;

   (LHS = 0, INFES = 8 ****)

E1(2,T1,K2,B).. - X(2,1,K2,B,T1) - X(2,3,K2,B,T1) - I(K2,B,2,T1)

   - E(B,A,2,1,K2,T1) - E(B,A,2,2,K2,T1) - E(B,A,2,3,K2,T1)

   - E(B,B,2,1,K2,T1) - E(B,B,2,2,K2,T1) - E(B,B,2,3,K2,T1)

   - E(B,C,2,1,K2,T1) - E(B,C,2,2,K2,T1) - E(B,C,2,3,K2,T1) =E= -19 ;

   (LHS = 0, INFES = 19 ****)

E1(2,T1,K2,C).. - X(2,1,K2,C,T1) - X(2,3,K2,C,T1) - I(K2,C,2,T1)

   - E(C,A,2,1,K2,T1) - E(C,A,2,2,K2,T1) - E(C,A,2,3,K2,T1)

   - E(C,B,2,1,K2,T1) - E(C,B,2,2,K2,T1) - E(C,B,2,3,K2,T1)

   - E(C,C,2,1,K2,T1) - E(C,C,2,2,K2,T1) - E(C,C,2,3,K2,T1) =E= -7 ;

(LHS = 0, INFES = 7 ****)

E1(2,T2,K1,A).. X(1,2,K1,A,T1) - X(2,1,K1,A,T2) - X(2,3,K1,A,T2) + I(K1,A,2,T1)

    - I(K1,A,2,T2) - E(A,A,2,1,K1,T2) - E(A,A,2,2,K1,T2) - E(A,A,2,3,K1,T2)

    - E(A,B,2,1,K1,T2) - E(A,B,2,2,K1,T2) - E(A,B,2,3,K1,T2)

    - E(A,C,2,1,K1,T2) - E(A,C,2,2,K1,T2) - E(A,C,2,3,K1,T2) =E= 0 ; (LHS = 0)

E1(2,T2,K1,B).. X(1,2,K1,B,T1) - X(2,1,K1,B,T2) - X(2,3,K1,B,T2) + I(K1,B,2,T1)

    - I(K1,B,2,T2) - E(B,A,2,1,K1,T2) - E(B,A,2,2,K1,T2) - E(B,A,2,3,K1,T2)

    - E(B,B,2,1,K1,T2) - E(B,B,2,2,K1,T2) - E(B,B,2,3,K1,T2)

    - E(B,C,2,1,K1,T2) - E(B,C,2,2,K1,T2) - E(B,C,2,3,K1,T2) =E= 0 ; (LHS = 0)

E1(2,T2,K1,C).. X(1,2,K1,C,T1) - X(2,1,K1,C,T2) - X(2,3,K1,C,T2) + I(K1,C,2,T1)

    - I(K1,C,2,T2) - E(C,A,2,1,K1,T2) - E(C,A,2,2,K1,T2) - E(C,A,2,3,K1,T2)

    - E(C,B,2,1,K1,T2) - E(C,B,2,2,K1,T2) - E(C,B,2,3,K1,T2)

    - E(C,C,2,1,K1,T2) - E(C,C,2,2,K1,T2) - E(C,C,2,3,K1,T2) =E= -23 ;

    (LHS = 0, INFES = 23 ****)

E1(2,T2,K2,A).. X(1,2,K2,A,T1) - X(2,1,K2,A,T2) - X(2,3,K2,A,T2) + I(K2,A,2,T1)

- I(K2,A,2,T2) - E(A,A,2,1,K2,T2) - E(A,A,2,2,K2,T2) - E(A,A,2,3,K2,T2)

- E(A,B,2,1,K2,T2) - E(A,B,2,2,K2,T2) - E(A,B,2,3,K2,T2)

- E(A,C,2,1,K2,T2) - E(A,C,2,2,K2,T2) - E(A,C,2,3,K2,T2) =E= -7 ;

(LHS = 0, INFES = 7 ****)

E1(2,T2,K2,B).. X(1,2,K2,B,T1) - X(2,1,K2,B,T2) - X(2,3,K2,B,T2) + I(K2,B,2,T1)

- I(K2,B,2,T2) - E(B,A,2,1,K2,T2) - E(B,A,2,2,K2,T2) - E(B,A,2,3,K2,T2)

- E(B,B,2,1,K2,T2) - E(B,B,2,2,K2,T2) - E(B,B,2,3,K2,T2)

- E(B,C,2,1,K2,T2) - E(B,C,2,2,K2,T2) - E(B,C,2,3,K2,T2) =E= -6 ;

(LHS = 0, INFES = 6 ****)

E1(2,T2,K2,C).. X(1,2,K2,C,T1) - X(2,1,K2,C,T2) - X(2,3,K2,C,T2) + I(K2,C,2,T1)

- I(K2,C,2,T2) - E(C,A,2,1,K2,T2) - E(C,A,2,2,K2,T2) - E(C,A,2,3,K2,T2)

- E(C,B,2,1,K2,T2) - E(C,B,2,2,K2,T2) - E(C,B,2,3,K2,T2)

- E(C,C,2,1,K2,T2) - E(C,C,2,2,K2,T2) - E(C,C,2,3,K2,T2) =E= -7 ;

(LHS = 0, INFES = 7 ****)

E1(2,T3,K1,A).. X(1,2,K1,A,T2) - X(2,1,K1,A,T3) - X(2,3,K1,A,T3)

   + X(3,2,K1,A,T1) + I(K1,A,2,T2) - I(K1,A,2,T3) - E(A,A,2,1,K1,T3)

   + E(A,A,2,2,K1,T1) - E(A,A,2,2,K1,T3) - E(A,A,2,3,K1,T3)

   - E(A,B,2,1,K1,T3) + E(A,B,2,2,K1,T1) - E(A,B,2,2,K1,T3)

   - E(A,B,2,3,K1,T3) - E(A,C,2,1,K1,T3) + E(A,C,2,2,K1,T1)

   - E(A,C,2,2,K1,T3) - E(A,C,2,3,K1,T3) =E= 0 ; (LHS = 0)

E1(2,T3,K1,B).. X(1,2,K1,B,T2) - X(2,1,K1,B,T3) - X(2,3,K1,B,T3)

   + X(3,2,K1,B,T1) + I(K1,B,2,T2) - I(K1,B,2,T3) - E(B,A,2,1,K1,T3)

   + E(B,A,2,2,K1,T1) - E(B,A,2,2,K1,T3) - E(B,A,2,3,K1,T3)

   - E(B,B,2,1,K1,T3) + E(B,B,2,2,K1,T1) - E(B,B,2,2,K1,T3)

   - E(B,B,2,3,K1,T3) - E(B,C,2,1,K1,T3) + E(B,C,2,2,K1,T1)

   - E(B,C,2,2,K1,T3) - E(B,C,2,3,K1,T3) =E= -12 ; (LHS = 0, INFES = 12 ****)

E1(2,T3,K1,C).. X(1,2,K1,C,T2) - X(2,1,K1,C,T3) - X(2,3,K1,C,T3)

   + X(3,2,K1,C,T1) + I(K1,C,2,T2) - I(K1,C,2,T3) - E(C,A,2,1,K1,T3)

   + E(C,A,2,2,K1,T1) - E(C,A,2,2,K1,T3) - E(C,A,2,3,K1,T3)

- E(C,B,2,1,K1,T3) + E(C,B,2,2,K1,T1) - E(C,B,2,2,K1,T3)

- E(C,B,2,3,K1,T3) - E(C,C,2,1,K1,T3) + E(C,C,2,2,K1,T1)

- E(C,C,2,2,K1,T3) - E(C,C,2,3,K1,T3) =E= -9 ; (LHS = 0, INFES = 9 ****)

E1(2,T3,K2,A).. X(1,2,K2,A,T2) - X(2,1,K2,A,T3) - X(2,3,K2,A,T3)

+ X(3,2,K2,A,T1) + I(K2,A,2,T2) - I(K2,A,2,T3) - E(A,A,2,1,K2,T3)

+ E(A,A,2,2,K2,T1) - E(A,A,2,2,K2,T3) - E(A,A,2,3,K2,T3)

- E(A,B,2,1,K2,T3) + E(A,B,2,2,K2,T1) - E(A,B,2,2,K2,T3)

- E(A,B,2,3,K2,T3) - E(A,C,2,1,K2,T3) + E(A,C,2,2,K2,T1)

- E(A,C,2,2,K2,T3) - E(A,C,2,3,K2,T3) =E= 0 ; (LHS = 0)

E1(2,T3,K2,B).. X(1,2,K2,B,T2) - X(2,1,K2,B,T3) - X(2,3,K2,B,T3)

+ X(3,2,K2,B,T1) + I(K2,B,2,T2) - I(K2,B,2,T3) - E(B,A,2,1,K2,T3)

+ E(B,A,2,2,K2,T1) - E(B,A,2,2,K2,T3) - E(B,A,2,3,K2,T3)

- E(B,B,2,1,K2,T3) + E(B,B,2,2,K2,T1) - E(B,B,2,2,K2,T3)

- E(B,B,2,3,K2,T3) - E(B,C,2,1,K2,T3) + E(B,C,2,2,K2,T1)

- E(B,C,2,2,K2,T3) - E(B,C,2,3,K2,T3) =E= 0 ; (LHS = 0)

E1(2,T3,K2,C).. X(1,2,K2,C,T2) - X(2,1,K2,C,T3) - X(2,3,K2,C,T3)

+ X(3,2,K2,C,T1) + I(K2,C,2,T2) - I(K2,C,2,T3) - E(C,A,2,1,K2,T3)

+ E(C,A,2,2,K2,T1) - E(C,A,2,2,K2,T3) - E(C,A,2,3,K2,T3)

- E(C,B,2,1,K2,T3) + E(C,B,2,2,K2,T1) - E(C,B,2,2,K2,T3)

- E(C,B,2,3,K2,T3) - E(C,C,2,1,K2,T3) + E(C,C,2,2,K2,T1)

- E(C,C,2,2,K2,T3) - E(C,C,2,3,K2,T3) =E= -8 ; (LHS = 0, INFES = 8 ****)

E1(2,T4,K1,A).. X(1,2,K1,A,T3) - X(2,1,K1,A,T4) - X(2,3,K1,A,T4)

+ X(3,2,K1,A,T2) + I(K1,A,2,T3) - I(K1,A,2,T4) + E(A,A,1,2,K1,T1)

- E(A,A,2,1,K1,T4) + E(A,A,2,2,K1,T2) - E(A,A,2,2,K1,T4)

- E(A,A,2,3,K1,T4) + E(A,B,1,2,K1,T1) - E(A,B,2,1,K1,T4)

+ E(A,B,2,2,K1,T2) - E(A,B,2,2,K1,T4) - E(A,B,2,3,K1,T4)

+ E(A,C,1,2,K1,T1) - E(A,C,2,1,K1,T4) + E(A,C,2,2,K1,T2)

- E(A,C,2,2,K1,T4) - E(A,C,2,3,K1,T4) =E= 0 ; (LHS = 0)

E1(2,T4,K1,B).. X(1,2,K1,B,T3) - X(2,1,K1,B,T4) - X(2,3,K1,B,T4)

+ X(3,2,K1,B,T2) + I(K1,B,2,T3) - I(K1,B,2,T4) + E(B,A,1,2,K1,T1)

- E(B,A,2,1,K1,T4) + E(B,A,2,2,K1,T2) - E(B,A,2,2,K1,T4)

- E(B,A,2,3,K1,T4) + E(B,B,1,2,K1,T1) - E(B,B,2,1,K1,T4)

+ E(B,B,2,2,K1,T2) - E(B,B,2,2,K1,T4) - E(B,B,2,3,K1,T4)

+ E(B,C,1,2,K1,T1) - E(B,C,2,1,K1,T4) + E(B,C,2,2,K1,T2)

- E(B,C,2,2,K1,T4) - E(B,C,2,3,K1,T4) =E= -12 ; (LHS = 0, INFES = 12 ****)

REMAINING 40 ENTRIES SKIPPED

---- E2 =L=

E2(K1,A,1,T1).. X(1,1,K1,A,T1) + X(1,2,K1,A,T1) + X(1,3,K1,A,T1) + I(K1,A,1,T1)

+ E(A,A,1,1,K1,T1) + E(A,A,1,2,K1,T1) + E(A,A,1,3,K1,T1)

+ E(A,B,1,1,K1,T1) + E(A,B,1,2,K1,T1) + E(A,B,1,3,K1,T1)

+ E(A,C,1,1,K1,T1) + E(A,C,1,2,K1,T1) + E(A,C,1,3,K1,T1) =L= 20 ;

(LHS = 0)

E2(K1,A,1,T2).. X(1,1,K1,A,T2) + X(1,2,K1,A,T2) + X(1,3,K1,A,T2) - I(K1,A,1,T1)

+ I(K1,A,1,T2) + E(A,A,1,1,K1,T2) + E(A,A,1,2,K1,T2) + E(A,A,1,3,K1,T2)

+ E(A,B,1,1,K1,T2) + E(A,B,1,2,K1,T2) + E(A,B,1,3,K1,T2)

+ E(A,C,1,1,K1,T2) + E(A,C,1,2,K1,T2) + E(A,C,1,3,K1,T2) =L= 23 ;

(LHS = 0)

E2(K1,A,1,T3).. X(1,1,K1,A,T3) + X(1,2,K1,A,T3) + X(1,3,K1,A,T3) - I(K1,A,1,T2)

+ I(K1,A,1,T3) - E(A,A,1,1,K1,T1) + E(A,A,1,1,K1,T3) + E(A,A,1,2,K1,T3)

+ E(A,A,1,3,K1,T3) - E(A,B,1,1,K1,T1) + E(A,B,1,1,K1,T3)

+ E(A,B,1,2,K1,T3) + E(A,B,1,3,K1,T3) - E(A,C,1,1,K1,T1)

+ E(A,C,1,1,K1,T3) + E(A,C,1,2,K1,T3) + E(A,C,1,3,K1,T3) =L= 18 ;

(LHS = 0)

E2(K1,A,1,T4).. X(1,1,K1,A,T4) + X(1,2,K1,A,T4) + X(1,3,K1,A,T4) - I(K1,A,1,T3)

+ I(K1,A,1,T4) - E(A,A,1,1,K1,T2) + E(A,A,1,1,K1,T4) + E(A,A,1,2,K1,T4)

+ E(A,A,1,3,K1,T4) - E(A,A,2,1,K1,T1) - E(A,B,1,1,K1,T2)

+ E(A,B,1,1,K1,T4) + E(A,B,1,2,K1,T4) + E(A,B,1,3,K1,T4)

- E(A,B,2,1,K1,T1) - E(A,C,1,1,K1,T2) + E(A,C,1,1,K1,T4)

+ E(A,C,1,2,K1,T4) + E(A,C,1,3,K1,T4) - E(A,C,2,1,K1,T1) =L= 12 ;

(LHS = 0)

E2(K1,A,1,T5).. X(1,1,K1,A,T5) + X(1,2,K1,A,T5) + X(1,3,K1,A,T5) - I(K1,A,1,T4)

+ I(K1,A,1,T5) - E(A,A,1,1,K1,T3) + E(A,A,1,1,K1,T5) + E(A,A,1,2,K1,T5)

+ E(A,A,1,3,K1,T5) - E(A,A,2,1,K1,T2) - E(A,B,1,1,K1,T3)

+ E(A,B,1,1,K1,T5) + E(A,B,1,2,K1,T5) + E(A,B,1,3,K1,T5)

- E(A,B,2,1,K1,T2) - E(A,C,1,1,K1,T3) + E(A,C,1,1,K1,T5)

+ E(A,C,1,2,K1,T5) + E(A,C,1,3,K1,T5) - E(A,C,2,1,K1,T2) =L= 12 ;

(LHS = 0)

E2(K1,A,2,T1).. X(2,1,K1,A,T1) + X(2,2,K1,A,T1) + X(2,3,K1,A,T1) + I(K1,A,2,T1)

+ E(A,A,2,1,K1,T1) + E(A,A,2,2,K1,T1) + E(A,A,2,3,K1,T1)

+ E(A,B,2,1,K1,T1) + E(A,B,2,2,K1,T1) + E(A,B,2,3,K1,T1)

+ E(A,C,2,1,K1,T1) + E(A,C,2,2,K1,T1) + E(A,C,2,3,K1,T1) =L= 0 ; (LHS = 0)

E2(K1,A,2,T2).. X(2,1,K1,A,T2) + X(2,2,K1,A,T2) + X(2,3,K1,A,T2) - I(K1,A,2,T1)

+ I(K1,A,2,T2) + E(A,A,2,1,K1,T2) + E(A,A,2,2,K1,T2) + E(A,A,2,3,K1,T2)

+ E(A,B,2,1,K1,T2) + E(A,B,2,2,K1,T2) + E(A,B,2,3,K1,T2)

+ E(A,C,2,1,K1,T2) + E(A,C,2,2,K1,T2) + E(A,C,2,3,K1,T2) =L= 0 ; (LHS = 0)

E2(K1,A,2,T3).. X(2,1,K1,A,T3) + X(2,2,K1,A,T3) + X(2,3,K1,A,T3) - I(K1,A,2,T2)

+ I(K1,A,2,T3) + E(A,A,2,1,K1,T3) - E(A,A,2,2,K1,T1) + E(A,A,2,2,K1,T3)

+ E(A,A,2,3,K1,T3) + E(A,B,2,1,K1,T3) - E(A,B,2,2,K1,T1)

+ E(A,B,2,2,K1,T3) + E(A,B,2,3,K1,T3) + E(A,C,2,1,K1,T3)

- E(A,C,2,2,K1,T1) + E(A,C,2,2,K1,T3) + E(A,C,2,3,K1,T3) =L= 0 ; (LHS = 0)

E2(K1,A,2,T4).. X(2,1,K1,A,T4) + X(2,2,K1,A,T4) + X(2,3,K1,A,T4) - I(K1,A,2,T3)

+ I(K1,A,2,T4) - E(A,A,1,2,K1,T1) + E(A,A,2,1,K1,T4) - E(A,A,2,2,K1,T2)

+ E(A,A,2,2,K1,T4) + E(A,A,2,3,K1,T4) - E(A,B,1,2,K1,T1)

+ E(A,B,2,1,K1,T4) - E(A,B,2,2,K1,T2) + E(A,B,2,2,K1,T4)

+ E(A,B,2,3,K1,T4) - E(A,C,1,2,K1,T1) + E(A,C,2,1,K1,T4)

- E(A,C,2,2,K1,T2) + E(A,C,2,2,K1,T4) + E(A,C,2,3,K1,T4) =L= 0 ; (LHS = 0)

E2(K1,A,2,T5).. X(2,1,K1,A,T5) + X(2,2,K1,A,T5) + X(2,3,K1,A,T5) - I(K1,A,2,T4)

   + I(K1,A,2,T5) - E(A,A,1,2,K1,T2) + E(A,A,2,1,K1,T5) - E(A,A,2,2,K1,T3)

   + E(A,A,2,2,K1,T5) + E(A,A,2,3,K1,T5) - E(A,A,3,2,K1,T1)

   - E(A,B,1,2,K1,T2) + E(A,B,2,1,K1,T5) - E(A,B,2,2,K1,T3)

   + E(A,B,2,2,K1,T5) + E(A,B,2,3,K1,T5) - E(A,B,3,2,K1,T1)

   - E(A,C,1,2,K1,T2) + E(A,C,2,1,K1,T5) - E(A,C,2,2,K1,T3)

   + E(A,C,2,2,K1,T5) + E(A,C,2,3,K1,T5) - E(A,C,3,2,K1,T1) =L= 5 ; (LHS = 0)

E2(K1,A,3,T1).. X(3,1,K1,A,T1) + X(3,2,K1,A,T1) + X(3,3,K1,A,T1) + I(K1,A,3,T1)

   + E(A,A,3,1,K1,T1) + E(A,A,3,2,K1,T1) + E(A,A,3,3,K1,T1)

   + E(A,B,3,1,K1,T1) + E(A,B,3,2,K1,T1) + E(A,B,3,3,K1,T1)

   + E(A,C,3,1,K1,T1) + E(A,C,3,2,K1,T1) + E(A,C,3,3,K1,T1) =L= 24 ;

   (LHS = 0)

E2(K1,A,3,T2).. X(3,1,K1,A,T2) + X(3,2,K1,A,T2) + X(3,3,K1,A,T2) - I(K1,A,3,T1)

   + I(K1,A,3,T2) + E(A,A,3,1,K1,T2) + E(A,A,3,2,K1,T2) + E(A,A,3,3,K1,T2)

   + E(A,B,3,1,K1,T2) + E(A,B,3,2,K1,T2) + E(A,B,3,3,K1,T2)

+ E(A,C,3,1,K1,T2) + E(A,C,3,2,K1,T2) + E(A,C,3,3,K1,T2) =L= 19 ;

(LHS = 0)

E2(K1,A,3,T3).. X(3,1,K1,A,T3) + X(3,2,K1,A,T3) + X(3,3,K1,A,T3) - I(K1,A,3,T2)

+ I(K1,A,3,T3) + E(A,A,3,1,K1,T3) + E(A,A,3,2,K1,T3) - E(A,A,3,3,K1,T1)

+ E(A,A,3,3,K1,T3) + E(A,B,3,1,K1,T3) + E(A,B,3,2,K1,T3)

- E(A,B,3,3,K1,T1) + E(A,B,3,3,K1,T3) + E(A,C,3,1,K1,T3)

+ E(A,C,3,2,K1,T3) - E(A,C,3,3,K1,T1) + E(A,C,3,3,K1,T3) =L= 5 ; (LHS = 0)

E2(K1,A,3,T4).. X(3,1,K1,A,T4) + X(3,2,K1,A,T4) + X(3,3,K1,A,T4) - I(K1,A,3,T3)

+ I(K1,A,3,T4) + E(A,A,3,1,K1,T4) + E(A,A,3,2,K1,T4) - E(A,A,3,3,K1,T2)

+ E(A,A,3,3,K1,T4) + E(A,B,3,1,K1,T4) + E(A,B,3,2,K1,T4)

- E(A,B,3,3,K1,T2) + E(A,B,3,3,K1,T4) + E(A,C,3,1,K1,T4)

+ E(A,C,3,2,K1,T4) - E(A,C,3,3,K1,T2) + E(A,C,3,3,K1,T4) =L= 19 ;

(LHS = 0)

E2(K1,A,3,T5).. X(3,1,K1,A,T5) + X(3,2,K1,A,T5) + X(3,3,K1,A,T5) - I(K1,A,3,T4)

+ I(K1,A,3,T5) - E(A,A,2,3,K1,T1) + E(A,A,3,1,K1,T5) + E(A,A,3,2,K1,T5)

- E(A,A,3,3,K1,T3) + E(A,A,3,3,K1,T5) - E(A,B,2,3,K1,T1)

+ E(A,B,3,1,K1,T5) + E(A,B,3,2,K1,T5) - E(A,B,3,3,K1,T3)

+ E(A,B,3,3,K1,T5) - E(A,C,2,3,K1,T1) + E(A,C,3,1,K1,T5)

+ E(A,C,3,2,K1,T5) - E(A,C,3,3,K1,T3) + E(A,C,3,3,K1,T5) =L= 8 ; (LHS = 0)

E2(K1,B,1,T1).. X(1,1,K1,B,T1) + X(1,2,K1,B,T1) + X(1,3,K1,B,T1) + I(K1,B,1,T1)

+ E(B,A,1,1,K1,T1) + E(B,A,1,2,K1,T1) + E(B,A,1,3,K1,T1)

+ E(B,B,1,1,K1,T1) + E(B,B,1,2,K1,T1) + E(B,B,1,3,K1,T1)

+ E(B,C,1,1,K1,T1) + E(B,C,1,2,K1,T1) + E(B,C,1,3,K1,T1) =L= 18 ;

(LHS = 0)

E2(K1,B,1,T2).. X(1,1,K1,B,T2) + X(1,2,K1,B,T2) + X(1,3,K1,B,T2) - I(K1,B,1,T1)

+ I(K1,B,1,T2) + E(B,A,1,1,K1,T2) + E(B,A,1,2,K1,T2) + E(B,A,1,3,K1,T2)

+ E(B,B,1,1,K1,T2) + E(B,B,1,2,K1,T2) + E(B,B,1,3,K1,T2)

+ E(B,C,1,1,K1,T2) + E(B,C,1,2,K1,T2) + E(B,C,1,3,K1,T2) =L= 0 ; (LHS = 0)

E2(K1,B,1,T3).. X(1,1,K1,B,T3) + X(1,2,K1,B,T3) + X(1,3,K1,B,T3) - I(K1,B,1,T2)

+ I(K1,B,1,T3) - E(B,A,1,1,K1,T1) + E(B,A,1,1,K1,T3) + E(B,A,1,2,K1,T3)

+ E(B,A,1,3,K1,T3) - E(B,B,1,1,K1,T1) + E(B,B,1,1,K1,T3)

+ E(B,B,1,2,K1,T3) + E(B,B,1,3,K1,T3) - E(B,C,1,1,K1,T1)

+ E(B,C,1,1,K1,T3) + E(B,C,1,2,K1,T3) + E(B,C,1,3,K1,T3) =L= 31 ;

(LHS = 0)

E2(K1,B,1,T4).. X(1,1,K1,B,T4) + X(1,2,K1,B,T4) + X(1,3,K1,B,T4) - I(K1,B,1,T3)

+ I(K1,B,1,T4) - E(B,A,1,1,K1,T2) + E(B,A,1,1,K1,T4) + E(B,A,1,2,K1,T4)

+ E(B,A,1,3,K1,T4) - E(B,A,2,1,K1,T1) - E(B,B,1,1,K1,T2)

+ E(B,B,1,1,K1,T4) + E(B,B,1,2,K1,T4) + E(B,B,1,3,K1,T4)

- E(B,B,2,1,K1,T1) - E(B,C,1,1,K1,T2) + E(B,C,1,1,K1,T4)

+ E(B,C,1,2,K1,T4) + E(B,C,1,3,K1,T4) - E(B,C,2,1,K1,T1) =L= 12 ;

(LHS = 0)

E2(K1,B,1,T5).. X(1,1,K1,B,T5) + X(1,2,K1,B,T5) + X(1,3,K1,B,T5) - I(K1,B,1,T4)

+ I(K1,B,1,T5) - E(B,A,1,1,K1,T3) + E(B,A,1,1,K1,T5) + E(B,A,1,2,K1,T5)

+ E(B,A,1,3,K1,T5) - E(B,A,2,1,K1,T2) - E(B,B,1,1,K1,T3)

+ E(B,B,1,1,K1,T5) + E(B,B,1,2,K1,T5) + E(B,B,1,3,K1,T5)

- E(B,B,2,1,K1,T2) - E(B,C,1,1,K1,T3) + E(B,C,1,1,K1,T5)

+ E(B,C,1,2,K1,T5) + E(B,C,1,3,K1,T5) - E(B,C,2,1,K1,T2) =L= 8 ; (LHS = 0)

E2(K1,B,2,T1).. X(2,1,K1,B,T1) + X(2,2,K1,B,T1) + X(2,3,K1,B,T1) + I(K1,B,2,T1)

+ E(B,A,2,1,K1,T1) + E(B,A,2,2,K1,T1) + E(B,A,2,3,K1,T1)

+ E(B,B,2,1,K1,T1) + E(B,B,2,2,K1,T1) + E(B,B,2,3,K1,T1)

+ E(B,C,2,1,K1,T1) + E(B,C,2,2,K1,T1) + E(B,C,2,3,K1,T1) =L= 19 ;

(LHS = 0)

E2(K1,B,2,T2).. X(2,1,K1,B,T2) + X(2,2,K1,B,T2) + X(2,3,K1,B,T2) - I(K1,B,2,T1)

+ I(K1,B,2,T2) + E(B,A,2,1,K1,T2) + E(B,A,2,2,K1,T2) + E(B,A,2,3,K1,T2)

+ E(B,B,2,1,K1,T2) + E(B,B,2,2,K1,T2) + E(B,B,2,3,K1,T2)

+ E(B,C,2,1,K1,T2) + E(B,C,2,2,K1,T2) + E(B,C,2,3,K1,T2) =L= 0 ; (LHS = 0)

E2(K1,B,2,T3).. X(2,1,K1,B,T3) + X(2,2,K1,B,T3) + X(2,3,K1,B,T3) - I(K1,B,2,T2)

+ I(K1,B,2,T3) + E(B,A,2,1,K1,T3) - E(B,A,2,2,K1,T1) + E(B,A,2,2,K1,T3)

+ E(B,A,2,3,K1,T3) + E(B,B,2,1,K1,T3) - E(B,B,2,2,K1,T1)

+ E(B,B,2,2,K1,T3) + E(B,B,2,3,K1,T3) + E(B,C,2,1,K1,T3)

- E(B,C,2,2,K1,T1) + E(B,C,2,2,K1,T3) + E(B,C,2,3,K1,T3) =L= 12 ;

(LHS = 0)

E2(K1,B,2,T4).. X(2,1,K1,B,T4) + X(2,2,K1,B,T4) + X(2,3,K1,B,T4) - I(K1,B,2,T3)

+ I(K1,B,2,T4) - E(B,A,1,2,K1,T1) + E(B,A,2,1,K1,T4) - E(B,A,2,2,K1,T2)

+ E(B,A,2,2,K1,T4) + E(B,A,2,3,K1,T4) - E(B,B,1,2,K1,T1)

+ E(B,B,2,1,K1,T4) - E(B,B,2,2,K1,T2) + E(B,B,2,2,K1,T4)

+ E(B,B,2,3,K1,T4) - E(B,C,1,2,K1,T1) + E(B,C,2,1,K1,T4)

- E(B,C,2,2,K1,T2) + E(B,C,2,2,K1,T4) + E(B,C,2,3,K1,T4) =L= 12 ;

(LHS = 0)

E2(K1,B,2,T5).. X(2,1,K1,B,T5) + X(2,2,K1,B,T5) + X(2,3,K1,B,T5) - I(K1,B,2,T4)

+ I(K1,B,2,T5) - E(B,A,1,2,K1,T2) + E(B,A,2,1,K1,T5) - E(B,A,2,2,K1,T3)

+ E(B,A,2,2,K1,T5) + E(B,A,2,3,K1,T5) - E(B,A,3,2,K1,T1)

- E(B,B,1,2,K1,T2) + E(B,B,2,1,K1,T5) - E(B,B,2,2,K1,T3)

+ E(B,B,2,2,K1,T5) + E(B,B,2,3,K1,T5) - E(B,B,3,2,K1,T1)

- E(B,C,1,2,K1,T2) + E(B,C,2,1,K1,T5) - E(B,C,2,2,K1,T3)

+ E(B,C,2,2,K1,T5) + E(B,C,2,3,K1,T5) - E(B,C,3,2,K1,T1) =L= 8 ; (LHS = 0)

E2(K1,B,3,T1).. X(3,1,K1,B,T1) + X(3,2,K1,B,T1) + X(3,3,K1,B,T1) + I(K1,B,3,T1)

+ E(B,A,3,1,K1,T1) + E(B,A,3,2,K1,T1) + E(B,A,3,3,K1,T1)

+ E(B,B,3,1,K1,T1) + E(B,B,3,2,K1,T1) + E(B,B,3,3,K1,T1)

+ E(B,C,3,1,K1,T1) + E(B,C,3,2,K1,T1) + E(B,C,3,3,K1,T1) =L= 25 ;

(LHS = 0)

E2(K1,B,3,T2).. X(3,1,K1,B,T2) + X(3,2,K1,B,T2) + X(3,3,K1,B,T2) - I(K1,B,3,T1)

+ I(K1,B,3,T2) + E(B,A,3,1,K1,T2) + E(B,A,3,2,K1,T2) + E(B,A,3,3,K1,T2)

+ E(B,B,3,1,K1,T2) + E(B,B,3,2,K1,T2) + E(B,B,3,3,K1,T2)

+ E(B,C,3,1,K1,T2) + E(B,C,3,2,K1,T2) + E(B,C,3,3,K1,T2) =L= 0 ; (LHS = 0)

E2(K1,B,3,T3).. X(3,1,K1,B,T3) + X(3,2,K1,B,T3) + X(3,3,K1,B,T3) - I(K1,B,3,T2)

+ I(K1,B,3,T3) + E(B,A,3,1,K1,T3) + E(B,A,3,2,K1,T3) - E(B,A,3,3,K1,T1)

+ E(B,A,3,3,K1,T3) + E(B,B,3,1,K1,T3) + E(B,B,3,2,K1,T3)

- E(B,B,3,3,K1,T1) + E(B,B,3,3,K1,T3) + E(B,C,3,1,K1,T3)

+ E(B,C,3,2,K1,T3) - E(B,C,3,3,K1,T1) + E(B,C,3,3,K1,T3) =L= 4 ; (LHS = 0)

E2(K1,B,3,T4).. X(3,1,K1,B,T4) + X(3,2,K1,B,T4) + X(3,3,K1,B,T4) - I(K1,B,3,T3)

+ I(K1,B,3,T4) + E(B,A,3,1,K1,T4) + E(B,A,3,2,K1,T4) - E(B,A,3,3,K1,T2)

+ E(B,A,3,3,K1,T4) + E(B,B,3,1,K1,T4) + E(B,B,3,2,K1,T4)

- E(B,B,3,3,K1,T2) + E(B,B,3,3,K1,T4) + E(B,C,3,1,K1,T4)

+ E(B,C,3,2,K1,T4) - E(B,C,3,3,K1,T2) + E(B,C,3,3,K1,T4) =L= 14 ;

(LHS = 0)

E2(K1,B,3,T5).. X(3,1,K1,B,T5) + X(3,2,K1,B,T5) + X(3,3,K1,B,T5) - I(K1,B,3,T4)

+ I(K1,B,3,T5) - E(B,A,2,3,K1,T1) + E(B,A,3,1,K1,T5) + E(B,A,3,2,K1,T5)

- E(B,A,3,3,K1,T3) + E(B,A,3,3,K1,T5) - E(B,B,2,3,K1,T1)

+ E(B,B,3,1,K1,T5) + E(B,B,3,2,K1,T5) - E(B,B,3,3,K1,T3)

+ E(B,B,3,3,K1,T5) - E(B,C,2,3,K1,T1) + E(B,C,3,1,K1,T5)

+ E(B,C,3,2,K1,T5) - E(B,C,3,3,K1,T3) + E(B,C,3,3,K1,T5) =L= 8 ; (LHS = 0)

E2(K1,C,1,T1).. X(1,1,K1,C,T1) + X(1,2,K1,C,T1) + X(1,3,K1,C,T1) + I(K1,C,1,T1)

+ E(C,A,1,1,K1,T1) + E(C,A,1,2,K1,T1) + E(C,A,1,3,K1,T1)

+ E(C,B,1,1,K1,T1) + E(C,B,1,2,K1,T1) + E(C,B,1,3,K1,T1)

+ E(C,C,1,1,K1,T1) + E(C,C,1,2,K1,T1) + E(C,C,1,3,K1,T1) =L= 13 ;

(LHS = 0)

E2(K1,C,1,T2).. X(1,1,K1,C,T2) + X(1,2,K1,C,T2) + X(1,3,K1,C,T2) - I(K1,C,1,T1)

+ I(K1,C,1,T2) + E(C,A,1,1,K1,T2) + E(C,A,1,2,K1,T2) + E(C,A,1,3,K1,T2)

+ E(C,B,1,1,K1,T2) + E(C,B,1,2,K1,T2) + E(C,B,1,3,K1,T2)

+ E(C,C,1,1,K1,T2) + E(C,C,1,2,K1,T2) + E(C,C,1,3,K1,T2) =L= 4 ; (LHS = 0)

E2(K1,C,1,T3).. X(1,1,K1,C,T3) + X(1,2,K1,C,T3) + X(1,3,K1,C,T3) - I(K1,C,1,T2)

+ I(K1,C,1,T3) - E(C,A,1,1,K1,T1) + E(C,A,1,1,K1,T3) + E(C,A,1,2,K1,T3)

+ E(C,A,1,3,K1,T3) - E(C,B,1,1,K1,T1) + E(C,B,1,1,K1,T3)

+ E(C,B,1,2,K1,T3) + E(C,B,1,3,K1,T3) - E(C,C,1,1,K1,T1)

+ E(C,C,1,1,K1,T3) + E(C,C,1,2,K1,T3) + E(C,C,1,3,K1,T3) =L= 8 ; (LHS = 0)

E2(K1,C,1,T4).. X(1,1,K1,C,T4) + X(1,2,K1,C,T4) + X(1,3,K1,C,T4) - I(K1,C,1,T3)

   + I(K1,C,1,T4) - E(C,A,1,1,K1,T2) + E(C,A,1,1,K1,T4) + E(C,A,1,2,K1,T4)

   + E(C,A,1,3,K1,T4) - E(C,A,2,1,K1,T1) - E(C,B,1,1,K1,T2)

   + E(C,B,1,1,K1,T4) + E(C,B,1,2,K1,T4) + E(C,B,1,3,K1,T4)

   - E(C,B,2,1,K1,T1) - E(C,C,1,1,K1,T2) + E(C,C,1,1,K1,T4)

   + E(C,C,1,2,K1,T4) + E(C,C,1,3,K1,T4) - E(C,C,2,1,K1,T1) =L= 0 ; (LHS = 0)

E2(K1,C,1,T5).. X(1,1,K1,C,T5) + X(1,2,K1,C,T5) + X(1,3,K1,C,T5) - I(K1,C,1,T4)

   + I(K1,C,1,T5) - E(C,A,1,1,K1,T3) + E(C,A,1,1,K1,T5) + E(C,A,1,2,K1,T5)

   + E(C,A,1,3,K1,T5) - E(C,A,2,1,K1,T2) - E(C,B,1,1,K1,T3)

   + E(C,B,1,1,K1,T5) + E(C,B,1,2,K1,T5) + E(C,B,1,3,K1,T5)

   - E(C,B,2,1,K1,T2) - E(C,C,1,1,K1,T3) + E(C,C,1,1,K1,T5)

   + E(C,C,1,2,K1,T5) + E(C,C,1,3,K1,T5) - E(C,C,2,1,K1,T2) =L= 12 ;

   (LHS = 0)

E2(K1,C,2,T1).. X(2,1,K1,C,T1) + X(2,2,K1,C,T1) + X(2,3,K1,C,T1) + I(K1,C,2,T1)

+ E(C,A,2,1,K1,T1) + E(C,A,2,2,K1,T1) + E(C,A,2,3,K1,T1)

+ E(C,B,2,1,K1,T1) + E(C,B,2,2,K1,T1) + E(C,B,2,3,K1,T1)

+ E(C,C,2,1,K1,T1) + E(C,C,2,2,K1,T1) + E(C,C,2,3,K1,T1) =L= 14 ;

(LHS = 0)

E2(K1,C,2,T2).. X(2,1,K1,C,T2) + X(2,2,K1,C,T2) + X(2,3,K1,C,T2) - I(K1,C,2,T1)

+ I(K1,C,2,T2) + E(C,A,2,1,K1,T2) + E(C,A,2,2,K1,T2) + E(C,A,2,3,K1,T2)

+ E(C,B,2,1,K1,T2) + E(C,B,2,2,K1,T2) + E(C,B,2,3,K1,T2)

+ E(C,C,2,1,K1,T2) + E(C,C,2,2,K1,T2) + E(C,C,2,3,K1,T2) =L= 23 ;

(LHS = 0)

E2(K1,C,2,T3).. X(2,1,K1,C,T3) + X(2,2,K1,C,T3) + X(2,3,K1,C,T3) - I(K1,C,2,T2)

+ I(K1,C,2,T3) + E(C,A,2,1,K1,T3) - E(C,A,2,2,K1,T1) + E(C,A,2,2,K1,T3)

+ E(C,A,2,3,K1,T3) + E(C,B,2,1,K1,T3) - E(C,B,2,2,K1,T1)

+ E(C,B,2,2,K1,T3) + E(C,B,2,3,K1,T3) + E(C,C,2,1,K1,T3)

- E(C,C,2,2,K1,T1) + E(C,C,2,2,K1,T3) + E(C,C,2,3,K1,T3) =L= 9 ; (LHS = 0)

E2(K1,C,2,T4).. X(2,1,K1,C,T4) + X(2,2,K1,C,T4) + X(2,3,K1,C,T4) - I(K1,C,2,T3)

+ I(K1,C,2,T4) - E(C,A,1,2,K1,T1) + E(C,A,2,1,K1,T4) - E(C,A,2,2,K1,T2)

+ E(C,A,2,2,K1,T4) + E(C,A,2,3,K1,T4) - E(C,B,1,2,K1,T1)

+ E(C,B,2,1,K1,T4) - E(C,B,2,2,K1,T2) + E(C,B,2,2,K1,T4)

+ E(C,B,2,3,K1,T4) - E(C,C,1,2,K1,T1) + E(C,C,2,1,K1,T4)

- E(C,C,2,2,K1,T2) + E(C,C,2,2,K1,T4) + E(C,C,2,3,K1,T4) =L= 0 ; (LHS = 0)

E2(K1,C,2,T5).. X(2,1,K1,C,T5) + X(2,2,K1,C,T5) + X(2,3,K1,C,T5) - I(K1,C,2,T4)

+ I(K1,C,2,T5) - E(C,A,1,2,K1,T2) + E(C,A,2,1,K1,T5) - E(C,A,2,2,K1,T3)

+ E(C,A,2,2,K1,T5) + E(C,A,2,3,K1,T5) - E(C,A,3,2,K1,T1)

- E(C,B,1,2,K1,T2) + E(C,B,2,1,K1,T5) - E(C,B,2,2,K1,T3)

+ E(C,B,2,2,K1,T5) + E(C,B,2,3,K1,T5) - E(C,B,3,2,K1,T1)

- E(C,C,1,2,K1,T2) + E(C,C,2,1,K1,T5) - E(C,C,2,2,K1,T3)

+ E(C,C,2,2,K1,T5) + E(C,C,2,3,K1,T5) - E(C,C,3,2,K1,T1) =L= 0 ; (LHS = 0)

E2(K1,C,3,T1).. X(3,1,K1,C,T1) + X(3,2,K1,C,T1) + X(3,3,K1,C,T1) + I(K1,C,3,T1)

+ E(C,A,3,1,K1,T1) + E(C,A,3,2,K1,T1) + E(C,A,3,3,K1,T1)

+ E(C,B,3,1,K1,T1) + E(C,B,3,2,K1,T1) + E(C,B,3,3,K1,T1)

+ E(C,C,3,1,K1,T1) + E(C,C,3,2,K1,T1) + E(C,C,3,3,K1,T1) =L= 23 ;

(LHS = 0)

E2(K1,C,3,T2).. X(3,1,K1,C,T2) + X(3,2,K1,C,T2) + X(3,3,K1,C,T2) - I(K1,C,3,T1)

+ I(K1,C,3,T2) + E(C,A,3,1,K1,T2) + E(C,A,3,2,K1,T2) + E(C,A,3,3,K1,T2)

+ E(C,B,3,1,K1,T2) + E(C,B,3,2,K1,T2) + E(C,B,3,3,K1,T2)

+ E(C,C,3,1,K1,T2) + E(C,C,3,2,K1,T2) + E(C,C,3,3,K1,T2) =L= 1 ; (LHS = 0)

E2(K1,C,3,T3).. X(3,1,K1,C,T3) + X(3,2,K1,C,T3) + X(3,3,K1,C,T3) - I(K1,C,3,T2)

+ I(K1,C,3,T3) + E(C,A,3,1,K1,T3) + E(C,A,3,2,K1,T3) - E(C,A,3,3,K1,T1)

+ E(C,A,3,3,K1,T3) + E(C,B,3,1,K1,T3) + E(C,B,3,2,K1,T3)

- E(C,B,3,3,K1,T1) + E(C,B,3,3,K1,T3) + E(C,C,3,1,K1,T3)

+ E(C,C,3,2,K1,T3) - E(C,C,3,3,K1,T1) + E(C,C,3,3,K1,T3) =L= 21 ;

(LHS = 0)

E2(K1,C,3,T4).. X(3,1,K1,C,T4) + X(3,2,K1,C,T4) + X(3,3,K1,C,T4) - I(K1,C,3,T3)

+ I(K1,C,3,T4) + E(C,A,3,1,K1,T4) + E(C,A,3,2,K1,T4) - E(C,A,3,3,K1,T2)

+ E(C,A,3,3,K1,T4) + E(C,B,3,1,K1,T4) + E(C,B,3,2,K1,T4)

- E(C,B,3,3,K1,T2) + E(C,B,3,3,K1,T4) + E(C,C,3,1,K1,T4)

+ E(C,C,3,2,K1,T4) - E(C,C,3,3,K1,T2) + E(C,C,3,3,K1,T4) =L= 0 ; (LHS = 0)

E2(K1,C,3,T5).. X(3,1,K1,C,T5) + X(3,2,K1,C,T5) + X(3,3,K1,C,T5) - I(K1,C,3,T4)

+ I(K1,C,3,T5) - E(C,A,2,3,K1,T1) + E(C,A,3,1,K1,T5) + E(C,A,3,2,K1,T5)

- E(C,A,3,3,K1,T3) + E(C,A,3,3,K1,T5) - E(C,B,2,3,K1,T1)

+ E(C,B,3,1,K1,T5) + E(C,B,3,2,K1,T5) - E(C,B,3,3,K1,T3)

+ E(C,B,3,3,K1,T5) - E(C,C,2,3,K1,T1) + E(C,C,3,1,K1,T5)

+ E(C,C,3,2,K1,T5) - E(C,C,3,3,K1,T3) + E(C,C,3,3,K1,T5) =L= 9 ; (LHS = 0)

E2(K2,A,1,T1).. X(1,1,K2,A,T1) + X(1,2,K2,A,T1) + X(1,3,K2,A,T1) + I(K2,A,1,T1)

+ E(A,A,1,1,K2,T1) + E(A,A,1,2,K2,T1) + E(A,A,1,3,K2,T1)

+ E(A,B,1,1,K2,T1) + E(A,B,1,2,K2,T1) + E(A,B,1,3,K2,T1)

+ E(A,C,1,1,K2,T1) + E(A,C,1,2,K2,T1) + E(A,C,1,3,K2,T1) =L= 12 ;

(LHS = 0)

E2(K2,A,1,T2).. X(1,1,K2,A,T2) + X(1,2,K2,A,T2) + X(1,3,K2,A,T2) - I(K2,A,1,T1)

+ I(K2,A,1,T2) + E(A,A,1,1,K2,T2) + E(A,A,1,2,K2,T2) + E(A,A,1,3,K2,T2)

+ E(A,B,1,1,K2,T2) + E(A,B,1,2,K2,T2) + E(A,B,1,3,K2,T2)

+ E(A,C,1,1,K2,T2) + E(A,C,1,2,K2,T2) + E(A,C,1,3,K2,T2) =L= 13 ;

(LHS = 0)

E2(K2,A,1,T3).. X(1,1,K2,A,T3) + X(1,2,K2,A,T3) + X(1,3,K2,A,T3) - I(K2,A,1,T2)

+ I(K2,A,1,T3) - E(A,A,1,1,K2,T1) + E(A,A,1,1,K2,T3) + E(A,A,1,2,K2,T3)

+ E(A,A,1,3,K2,T3) - E(A,B,1,1,K2,T1) + E(A,B,1,1,K2,T3)

+ E(A,B,1,2,K2,T3) + E(A,B,1,3,K2,T3) - E(A,C,1,1,K2,T1)

+ E(A,C,1,1,K2,T3) + E(A,C,1,2,K2,T3) + E(A,C,1,3,K2,T3) =L= 16 ;

(LHS = 0)

E2(K2,A,1,T4).. X(1,1,K2,A,T4) + X(1,2,K2,A,T4) + X(1,3,K2,A,T4) - I(K2,A,1,T3)

+ I(K2,A,1,T4) - E(A,A,1,1,K2,T2) + E(A,A,1,1,K2,T4) + E(A,A,1,2,K2,T4)

+ E(A,A,1,3,K2,T4) - E(A,A,2,1,K2,T1) - E(A,B,1,1,K2,T2)

+ E(A,B,1,1,K2,T4) + E(A,B,1,2,K2,T4) + E(A,B,1,3,K2,T4)

- E(A,B,2,1,K2,T1) - E(A,C,1,1,K2,T2) + E(A,C,1,1,K2,T4)

+ E(A,C,1,2,K2,T4) + E(A,C,1,3,K2,T4) - E(A,C,2,1,K2,T1) =L= 0 ; (LHS = 0)

E2(K2,A,1,T5).. X(1,1,K2,A,T5) + X(1,2,K2,A,T5) + X(1,3,K2,A,T5) - I(K2,A,1,T4)

+ I(K2,A,1,T5) - E(A,A,1,1,K2,T3) + E(A,A,1,1,K2,T5) + E(A,A,1,2,K2,T5)

+ E(A,A,1,3,K2,T5) - E(A,A,2,1,K2,T2) - E(A,B,1,1,K2,T3)

+ E(A,B,1,1,K2,T5) + E(A,B,1,2,K2,T5) + E(A,B,1,3,K2,T5)

- E(A,B,2,1,K2,T2) - E(A,C,1,1,K2,T3) + E(A,C,1,1,K2,T5)

+ E(A,C,1,2,K2,T5) + E(A,C,1,3,K2,T5) - E(A,C,2,1,K2,T2) =L= 25 ;

(LHS = 0)

REMAINING 40 ENTRIES SKIPPED

---- E3 =E=

E3(1,1,T1,K1,A).. W(1,1,K1,A,T1) + E(A,A,1,1,K1,T1) + E(B,A,1,1,K1,T1)

+ E(C,A,1,1,K1,T1) =E= 0 ; (LHS = 0)

E3(1,1,T1,K1,B).. W(1,1,K1,B,T1) + E(A,B,1,1,K1,T1) + E(B,B,1,1,K1,T1)

+ E(C,B,1,1,K1,T1) =E= 0 ; (LHS = 0)

E3(1,1,T1,K1,C).. W(1,1,K1,C,T1) + E(A,C,1,1,K1,T1) + E(B,C,1,1,K1,T1)

   + E(C,C,1,1,K1,T1) =E= 0 ; (LHS = 0)

E3(1,1,T1,K2,A).. W(1,1,K2,A,T1) + E(A,A,1,1,K2,T1) + E(B,A,1,1,K2,T1)

   + E(C,A,1,1,K2,T1) =E= 0 ; (LHS = 0)

E3(1,1,T1,K2,B).. W(1,1,K2,B,T1) + E(A,B,1,1,K2,T1) + E(B,B,1,1,K2,T1)

   + E(C,B,1,1,K2,T1) =E= 0 ; (LHS = 0)

E3(1,1,T1,K2,C).. W(1,1,K2,C,T1) + E(A,C,1,1,K2,T1) + E(B,C,1,1,K2,T1)

   + E(C,C,1,1,K2,T1) =E= 0 ; (LHS = 0)

E3(1,1,T2,K1,A).. - W(1,1,K1,A,T1) + W(1,1,K1,A,T2) + E(A,A,1,1,K1,T2)

   + E(B,A,1,1,K1,T2) + E(C,A,1,1,K1,T2) =E= 0 ; (LHS = 0)

E3(1,1,T2,K1,B).. - W(1,1,K1,B,T1) + W(1,1,K1,B,T2) + E(A,B,1,1,K1,T2)

   + E(B,B,1,1,K1,T2) + E(C,B,1,1,K1,T2) =E= 0 ; (LHS = 0)

E3(1,1,T2,K1,C).. - W(1,1,K1,C,T1) + W(1,1,K1,C,T2) + E(A,C,1,1,K1,T2)

+ E(B,C,1,1,K1,T2) + E(C,C,1,1,K1,T2) =E= 0 ; (LHS = 0)

E3(1,1,T2,K2,A).. - W(1,1,K2,A,T1) + W(1,1,K2,A,T2) + E(A,A,1,1,K2,T2)

+ E(B,A,1,1,K2,T2) + E(C,A,1,1,K2,T2) =E= 0 ; (LHS = 0)

E3(1,1,T2,K2,B).. - W(1,1,K2,B,T1) + W(1,1,K2,B,T2) + E(A,B,1,1,K2,T2)

+ E(B,B,1,1,K2,T2) + E(C,B,1,1,K2,T2) =E= 0 ; (LHS = 0)

E3(1,1,T2,K2,C).. - W(1,1,K2,C,T1) + W(1,1,K2,C,T2) + E(A,C,1,1,K2,T2)

+ E(B,C,1,1,K2,T2) + E(C,C,1,1,K2,T2) =E= 0 ; (LHS = 0)

E3(1,1,T3,K1,A).. - W(1,1,K1,A,T2) + W(1,1,K1,A,T3) + E(A,A,1,1,K1,T3)

+ E(B,A,1,1,K1,T3) + E(C,A,1,1,K1,T3) =E= 0 ; (LHS = 0)

E3(1,1,T3,K1,B).. - W(1,1,K1,B,T2) + W(1,1,K1,B,T3) + E(A,B,1,1,K1,T3)

+ E(B,B,1,1,K1,T3) + E(C,B,1,1,K1,T3) =E= 0 ; (LHS = 0)

E3(1,1,T3,K1,C).. - W(1,1,K1,C,T2) + W(1,1,K1,C,T3) + E(A,C,1,1,K1,T3)

+ E(B,C,1,1,K1,T3) + E(C,C,1,1,K1,T3) =E= 0 ; (LHS = 0)

E3(1,1,T3,K2,A).. - W(1,1,K2,A,T2) + W(1,1,K2,A,T3) + E(A,A,1,1,K2,T3)

+ E(B,A,1,1,K2,T3) + E(C,A,1,1,K2,T3) =E= 0 ; (LHS = 0)

E3(1,1,T3,K2,B).. - W(1,1,K2,B,T2) + W(1,1,K2,B,T3) + E(A,B,1,1,K2,T3)

   + E(B,B,1,1,K2,T3) + E(C,B,1,1,K2,T3) =E= 0 ; (LHS = 0)

E3(1,1,T3,K2,C).. - W(1,1,K2,C,T2) + W(1,1,K2,C,T3) + E(A,C,1,1,K2,T3)

   + E(B,C,1,1,K2,T3) + E(C,C,1,1,K2,T3) =E= 0 ; (LHS = 0)

E3(1,1,T4,K1,A).. - W(1,1,K1,A,T3) + W(1,1,K1,A,T4) + E(A,A,1,1,K1,T4)

   + E(B,A,1,1,K1,T4) + E(C,A,1,1,K1,T4) =E= 0 ; (LHS = 0)

E3(1,1,T4,K1,B).. - W(1,1,K1,B,T3) + W(1,1,K1,B,T4) + E(A,B,1,1,K1,T4)

   + E(B,B,1,1,K1,T4) + E(C,B,1,1,K1,T4) =E= 0 ; (LHS = 0)

E3(1,1,T4,K1,C).. - W(1,1,K1,C,T3) + W(1,1,K1,C,T4) + E(A,C,1,1,K1,T4)

   + E(B,C,1,1,K1,T4) + E(C,C,1,1,K1,T4) =E= 0 ; (LHS = 0)

E3(1,1,T4,K2,A).. - W(1,1,K2,A,T3) + W(1,1,K2,A,T4) + E(A,A,1,1,K2,T4)

   + E(B,A,1,1,K2,T4) + E(C,A,1,1,K2,T4) =E= 0 ; (LHS = 0)

E3(1,1,T4,K2,B).. - W(1,1,K2,B,T3) + W(1,1,K2,B,T4) + E(A,B,1,1,K2,T4)

   + E(B,B,1,1,K2,T4) + E(C,B,1,1,K2,T4) =E= 0 ; (LHS = 0)

E3(1,1,T4,K2,C).. - W(1,1,K2,C,T3) + W(1,1,K2,C,T4) + E(A,C,1,1,K2,T4)

+ E(B,C,1,1,K2,T4) + E(C,C,1,1,K2,T4) =E= 0 ; (LHS = 0)

E3(1,1,T5,K1,A).. - W(1,1,K1,A,T4) + W(1,1,K1,A,T5) + E(A,A,1,1,K1,T5)

+ E(B,A,1,1,K1,T5) + E(C,A,1,1,K1,T5) =E= 0 ; (LHS = 0)

E3(1,1,T5,K1,B).. - W(1,1,K1,B,T4) + W(1,1,K1,B,T5) + E(A,B,1,1,K1,T5)

+ E(B,B,1,1,K1,T5) + E(C,B,1,1,K1,T5) =E= 0 ; (LHS = 0)

E3(1,1,T5,K1,C).. - W(1,1,K1,C,T4) + W(1,1,K1,C,T5) + E(A,C,1,1,K1,T5)

+ E(B,C,1,1,K1,T5) + E(C,C,1,1,K1,T5) =E= 0 ; (LHS = 0)

E3(1,1,T5,K2,A).. - W(1,1,K2,A,T4) + W(1,1,K2,A,T5) + E(A,A,1,1,K2,T5)

+ E(B,A,1,1,K2,T5) + E(C,A,1,1,K2,T5) =E= 0 ; (LHS = 0)

E3(1,1,T5,K2,B).. - W(1,1,K2,B,T4) + W(1,1,K2,B,T5) + E(A,B,1,1,K2,T5)

+ E(B,B,1,1,K2,T5) + E(C,B,1,1,K2,T5) =E= 0 ; (LHS = 0)

E3(1,1,T5,K2,C).. - W(1,1,K2,C,T4) + W(1,1,K2,C,T5) + E(A,C,1,1,K2,T5)

+ E(B,C,1,1,K2,T5) + E(C,C,1,1,K2,T5) =E= 0 ; (LHS = 0)

E3(1,2,T1,K1,A).. W(2,1,K1,A,T1) + E(A,A,2,1,K1,T1) + E(B,A,2,1,K1,T1)

+ E(C,A,2,1,K1,T1) =E= 5 ; (LHS = 0, INFES = 5 ****)

E3(1,2,T1,K1,B).. W(2,1,K1,B,T1) + E(A,B,2,1,K1,T1) + E(B,B,2,1,K1,T1)

+ E(C,B,2,1,K1,T1) =E= 5 ; (LHS = 0, INFES = 5 ****)

E3(1,2,T1,K1,C).. W(2,1,K1,C,T1) + E(A,C,2,1,K1,T1) + E(B,C,2,1,K1,T1)

+ E(C,C,2,1,K1,T1) =E= 5 ; (LHS = 0, INFES = 5 ****)

E3(1,2,T1,K2,A).. W(2,1,K2,A,T1) + E(A,A,2,1,K2,T1) + E(B,A,2,1,K2,T1)

+ E(C,A,2,1,K2,T1) =E= 5 ; (LHS = 0, INFES = 5 ****)

E3(1,2,T1,K2,B).. W(2,1,K2,B,T1) + E(A,B,2,1,K2,T1) + E(B,B,2,1,K2,T1)

+ E(C,B,2,1,K2,T1) =E= 12 ; (LHS = 0, INFES = 12 ****)

E3(1,2,T1,K2,C).. W(2,1,K2,C,T1) + E(A,C,2,1,K2,T1) + E(B,C,2,1,K2,T1)

+ E(C,C,2,1,K2,T1) =E= 5 ; (LHS = 0, INFES = 5 ****)

E3(1,2,T2,K1,A).. - W(2,1,K1,A,T1) + W(2,1,K1,A,T2) + E(A,A,2,1,K1,T2)

+ E(B,A,2,1,K1,T2) + E(C,A,2,1,K1,T2) =E= 11 ; (LHS = 0, INFES = 11 ****)

E3(1,2,T2,K1,B).. - W(2,1,K1,B,T1) + W(2,1,K1,B,T2) + E(A,B,2,1,K1,T2)

+ E(B,B,2,1,K1,T2) + E(C,B,2,1,K1,T2) =E= 13 ; (LHS = 0, INFES = 13 ****)

E3(1,2,T2,K1,C).. - W(2,1,K1,C,T1) + W(2,1,K1,C,T2) + E(A,C,2,1,K1,T2)

+ E(B,C,2,1,K1,T2) + E(C,C,2,1,K1,T2) =E= 11 ; (LHS = 0, INFES = 11 ****)

E3(1,2,T2,K2,A).. - W(2,1,K2,A,T1) + W(2,1,K2,A,T2) + E(A,A,2,1,K2,T2)

+ E(B,A,2,1,K2,T2) + E(C,A,2,1,K2,T2) =E= 11 ; (LHS = 0, INFES = 11 ****)

E3(1,2,T2,K2,B).. - W(2,1,K2,B,T1) + W(2,1,K2,B,T2) + E(A,B,2,1,K2,T2)

+ E(B,B,2,1,K2,T2) + E(C,B,2,1,K2,T2) =E= 13 ; (LHS = 0, INFES = 13 ****)

E3(1,2,T2,K2,C).. - W(2,1,K2,C,T1) + W(2,1,K2,C,T2) + E(A,C,2,1,K2,T2)

+ E(B,C,2,1,K2,T2) + E(C,C,2,1,K2,T2) =E= 11 ; (LHS = 0, INFES = 11 ****)

E3(1,2,T3,K1,A).. - W(2,1,K1,A,T2) + W(2,1,K1,A,T3) + E(A,A,2,1,K1,T3)

+ E(B,A,2,1,K1,T3) + E(C,A,2,1,K1,T3) =E= 4 ; (LHS = 0, INFES = 4 ****)

E3(1,2,T3,K1,B).. - W(2,1,K1,B,T2) + W(2,1,K1,B,T3) + E(A,B,2,1,K1,T3)

+ E(B,B,2,1,K1,T3) + E(C,B,2,1,K1,T3) =E= 6 ; (LHS = 0, INFES = 6 ****)

E3(1,2,T3,K1,C).. - W(2,1,K1,C,T2) + W(2,1,K1,C,T3) + E(A,C,2,1,K1,T3)

+ E(B,C,2,1,K1,T3) + E(C,C,2,1,K1,T3) =E= 4 ; (LHS = 0, INFES = 4 ****)

E3(1,2,T3,K2,A).. - W(2,1,K2,A,T2) + W(2,1,K2,A,T3) + E(A,A,2,1,K2,T3)

+ E(B,A,2,1,K2,T3) + E(C,A,2,1,K2,T3) =E= 6 ; (LHS = 0, INFES = 6 ****)

E3(1,2,T3,K2,B).. - W(2,1,K2,B,T2) + W(2,1,K2,B,T3) + E(A,B,2,1,K2,T3)

+ E(B,B,2,1,K2,T3) + E(C,B,2,1,K2,T3) =E= 4 ; (LHS = 0, INFES = 4 ****)

E3(1,2,T3,K2,C).. - W(2,1,K2,C,T2) + W(2,1,K2,C,T3) + E(A,C,2,1,K2,T3)

+ E(B,C,2,1,K2,T3) + E(C,C,2,1,K2,T3) =E= 4 ; (LHS = 0, INFES = 4 ****)

E3(1,2,T4,K1,A).. - W(2,1,K1,A,T3) + W(2,1,K1,A,T4) + E(A,A,2,1,K1,T4)

+ E(B,A,2,1,K1,T4) + E(C,A,2,1,K1,T4) =E= 12 ; (LHS = 0, INFES = 12 ****)

E3(1,2,T4,K1,B).. - W(2,1,K1,B,T3) + W(2,1,K1,B,T4) + E(A,B,2,1,K1,T4)

+ E(B,B,2,1,K1,T4) + E(C,B,2,1,K1,T4) =E= 21 ; (LHS = 0, INFES = 21 ****)

REMAINING 220 ENTRIES SKIPPED

---- E4 =E=

E4(A,K1).. - I(K1,A,1,T5) - I(K1,A,2,T5) - I(K1,A,3,T5) + W(1,1,K1,A,T5)

+ W(1,2,K1,A,T5) + W(1,3,K1,A,T5) + W(2,1,K1,A,T5) + W(2,2,K1,A,T5)

+ W(2,3,K1,A,T5) + W(3,1,K1,A,T5) + W(3,2,K1,A,T5) + W(3,3,K1,A,T5)

+ E(A,A,1,1,K1,T1) + E(A,A,1,1,K1,T2) + E(A,A,1,1,K1,T3)

+ E(A,A,1,1,K1,T4) + E(A,A,1,1,K1,T5) + E(A,A,1,2,K1,T1)

+ E(A,A,1,2,K1,T2) + E(A,A,1,2,K1,T3) + E(A,A,1,2,K1,T4)

+ E(A,A,1,2,K1,T5) + E(A,A,1,3,K1,T1) + E(A,A,1,3,K1,T2)

+ E(A,A,1,3,K1,T3) + E(A,A,1,3,K1,T4) + E(A,A,1,3,K1,T5)

+ E(A,A,2,1,K1,T1) + E(A,A,2,1,K1,T2) + E(A,A,2,1,K1,T3)

+ E(A,A,2,1,K1,T4) + E(A,A,2,1,K1,T5) + E(A,A,2,2,K1,T1)

+ E(A,A,2,2,K1,T2) + E(A,A,2,2,K1,T3) + E(A,A,2,2,K1,T4)

+ E(A,A,2,2,K1,T5) + E(A,A,2,3,K1,T1) + E(A,A,2,3,K1,T2)

+ E(A,A,2,3,K1,T3) + E(A,A,2,3,K1,T4) + E(A,A,2,3,K1,T5)

+ E(A,A,3,1,K1,T1) + E(A,A,3,1,K1,T2) + E(A,A,3,1,K1,T3)

+ E(A,A,3,1,K1,T4) + E(A,A,3,1,K1,T5) + E(A,A,3,2,K1,T1)

+ E(A,A,3,2,K1,T2) + E(A,A,3,2,K1,T3) + E(A,A,3,2,K1,T4)

+ E(A,A,3,2,K1,T5) + E(A,A,3,3,K1,T1) + E(A,A,3,3,K1,T2)

+ E(A,A,3,3,K1,T3) + E(A,A,3,3,K1,T4) + E(A,A,3,3,K1,T5)

+ E(B,A,1,1,K1,T1) + E(B,A,1,1,K1,T2) + E(B,A,1,1,K1,T3)

+ E(B,A,1,1,K1,T4) + E(B,A,1,1,K1,T5) + E(B,A,1,2,K1,T1)

+ E(B,A,1,2,K1,T2) + E(B,A,1,2,K1,T3) + E(B,A,1,2,K1,T4)

+ E(B,A,1,2,K1,T5) + E(B,A,1,3,K1,T1) + E(B,A,1,3,K1,T2)

+ E(B,A,1,3,K1,T3) + E(B,A,1,3,K1,T4) + E(B,A,1,3,K1,T5)

+ E(B,A,2,1,K1,T1) + E(B,A,2,1,K1,T2) + E(B,A,2,1,K1,T3)

+ E(B,A,2,1,K1,T4) + E(B,A,2,1,K1,T5) + E(B,A,2,2,K1,T1)

+ E(B,A,2,2,K1,T2) + E(B,A,2,2,K1,T3) + E(B,A,2,2,K1,T4)

+ E(B,A,2,2,K1,T5) + E(B,A,2,3,K1,T1) + E(B,A,2,3,K1,T2)

+ E(B,A,2,3,K1,T3) + E(B,A,2,3,K1,T4) + E(B,A,2,3,K1,T5)

+ E(B,A,3,1,K1,T1) + E(B,A,3,1,K1,T2) + E(B,A,3,1,K1,T3)

+ E(B,A,3,1,K1,T4) + E(B,A,3,1,K1,T5) + E(B,A,3,2,K1,T1)

+ E(B,A,3,2,K1,T2) + E(B,A,3,2,K1,T3) + E(B,A,3,2,K1,T4)

+ E(B,A,3,2,K1,T5) + E(B,A,3,3,K1,T1) + E(B,A,3,3,K1,T2)

+ E(B,A,3,3,K1,T3) + E(B,A,3,3,K1,T4) + E(B,A,3,3,K1,T5)

+ E(C,A,1,1,K1,T1) + E(C,A,1,1,K1,T2) + E(C,A,1,1,K1,T3)

+ E(C,A,1,1,K1,T4) + E(C,A,1,1,K1,T5) + E(C,A,1,2,K1,T1)

+ E(C,A,1,2,K1,T2) + E(C,A,1,2,K1,T3) + E(C,A,1,2,K1,T4)

+ E(C,A,1,2,K1,T5) + E(C,A,1,3,K1,T1) + E(C,A,1,3,K1,T2)

+ E(C,A,1,3,K1,T3) + E(C,A,1,3,K1,T4) + E(C,A,1,3,K1,T5)

+ E(C,A,2,1,K1,T1) + E(C,A,2,1,K1,T2) + E(C,A,2,1,K1,T3)

+ E(C,A,2,1,K1,T4) + E(C,A,2,1,K1,T5) + E(C,A,2,2,K1,T1)

+ E(C,A,2,2,K1,T2) + E(C,A,2,2,K1,T3) + E(C,A,2,2,K1,T4)

+ E(C,A,2,2,K1,T5) + E(C,A,2,3,K1,T1) + E(C,A,2,3,K1,T2)

+ E(C,A,2,3,K1,T3) + E(C,A,2,3,K1,T4) + E(C,A,2,3,K1,T5)

+ E(C,A,3,1,K1,T1) + E(C,A,3,1,K1,T2) + E(C,A,3,1,K1,T3)

+ E(C,A,3,1,K1,T4) + E(C,A,3,1,K1,T5) + E(C,A,3,2,K1,T1)

+ E(C,A,3,2,K1,T2) + E(C,A,3,2,K1,T3) + E(C,A,3,2,K1,T4)

+ E(C,A,3,2,K1,T5) + E(C,A,3,3,K1,T1) + E(C,A,3,3,K1,T2)

+ E(C,A,3,3,K1,T3) + E(C,A,3,3,K1,T4) + E(C,A,3,3,K1,T5) =E= 440 ;

(LHS = 0, INFES = 440 ****)

E4(A,K2).. - I(K2,A,1,T5) - I(K2,A,2,T5) - I(K2,A,3,T5) + W(1,1,K2,A,T5)

+ W(1,2,K2,A,T5) + W(1,3,K2,A,T5) + W(2,1,K2,A,T5) + W(2,2,K2,A,T5)

+ W(2,3,K2,A,T5) + W(3,1,K2,A,T5) + W(3,2,K2,A,T5) + W(3,3,K2,A,T5)

+ E(A,A,1,1,K2,T1) + E(A,A,1,1,K2,T2) + E(A,A,1,1,K2,T3)

+ E(A,A,1,1,K2,T4) + E(A,A,1,1,K2,T5) + E(A,A,1,2,K2,T1)

+ E(A,A,1,2,K2,T2) + E(A,A,1,2,K2,T3) + E(A,A,1,2,K2,T4)

+ E(A,A,1,2,K2,T5) + E(A,A,1,3,K2,T1) + E(A,A,1,3,K2,T2)

+ E(A,A,1,3,K2,T3) + E(A,A,1,3,K2,T4) + E(A,A,1,3,K2,T5)

+ E(A,A,2,1,K2,T1) + E(A,A,2,1,K2,T2) + E(A,A,2,1,K2,T3)

+ E(A,A,2,1,K2,T4) + E(A,A,2,1,K2,T5) + E(A,A,2,2,K2,T1)

+ E(A,A,2,2,K2,T2) + E(A,A,2,2,K2,T3) + E(A,A,2,2,K2,T4)

+ E(A,A,2,2,K2,T5) + E(A,A,2,3,K2,T1) + E(A,A,2,3,K2,T2)

+ E(A,A,2,3,K2,T3) + E(A,A,2,3,K2,T4) + E(A,A,2,3,K2,T5)

+ E(A,A,3,1,K2,T1) + E(A,A,3,1,K2,T2) + E(A,A,3,1,K2,T3)

+ E(A,A,3,1,K2,T4) + E(A,A,3,1,K2,T5) + E(A,A,3,2,K2,T1)

+ E(A,A,3,2,K2,T2) + E(A,A,3,2,K2,T3) + E(A,A,3,2,K2,T4)

+ E(A,A,3,2,K2,T5) + E(A,A,3,3,K2,T1) + E(A,A,3,3,K2,T2)

+ E(A,A,3,3,K2,T3) + E(A,A,3,3,K2,T4) + E(A,A,3,3,K2,T5)

+ E(B,A,1,1,K2,T1) + E(B,A,1,1,K2,T2) + E(B,A,1,1,K2,T3)

+ E(B,A,1,1,K2,T4) + E(B,A,1,1,K2,T5) + E(B,A,1,2,K2,T1)

+ E(B,A,1,2,K2,T2) + E(B,A,1,2,K2,T3) + E(B,A,1,2,K2,T4)

+ E(B,A,1,2,K2,T5) + E(B,A,1,3,K2,T1) + E(B,A,1,3,K2,T2)

+ E(B,A,1,3,K2,T3) + E(B,A,1,3,K2,T4) + E(B,A,1,3,K2,T5)

+ E(B,A,2,1,K2,T1) + E(B,A,2,1,K2,T2) + E(B,A,2,1,K2,T3)

+ E(B,A,2,1,K2,T4) + E(B,A,2,1,K2,T5) + E(B,A,2,2,K2,T1)

+ E(B,A,2,2,K2,T2) + E(B,A,2,2,K2,T3) + E(B,A,2,2,K2,T4)

+ E(B,A,2,2,K2,T5) + E(B,A,2,3,K2,T1) + E(B,A,2,3,K2,T2)

+ E(B,A,2,3,K2,T3) + E(B,A,2,3,K2,T4) + E(B,A,2,3,K2,T5)

+ E(B,A,3,1,K2,T1) + E(B,A,3,1,K2,T2) + E(B,A,3,1,K2,T3)

+ E(B,A,3,1,K2,T4) + E(B,A,3,1,K2,T5) + E(B,A,3,2,K2,T1)

+ E(B,A,3,2,K2,T2) + E(B,A,3,2,K2,T3) + E(B,A,3,2,K2,T4)

+ E(B,A,3,2,K2,T5) + E(B,A,3,3,K2,T1) + E(B,A,3,3,K2,T2)

+ E(B,A,3,3,K2,T3) + E(B,A,3,3,K2,T4) + E(B,A,3,3,K2,T5)

+ E(C,A,1,1,K2,T1) + E(C,A,1,1,K2,T2) + E(C,A,1,1,K2,T3)

+ E(C,A,1,1,K2,T4) + E(C,A,1,1,K2,T5) + E(C,A,1,2,K2,T1)

+ E(C,A,1,2,K2,T2) + E(C,A,1,2,K2,T3) + E(C,A,1,2,K2,T4)

+ E(C,A,1,2,K2,T5) + E(C,A,1,3,K2,T1) + E(C,A,1,3,K2,T2)

+ E(C,A,1,3,K2,T3) + E(C,A,1,3,K2,T4) + E(C,A,1,3,K2,T5)

+ E(C,A,2,1,K2,T1) + E(C,A,2,1,K2,T2) + E(C,A,2,1,K2,T3)

+ E(C,A,2,1,K2,T4) + E(C,A,2,1,K2,T5) + E(C,A,2,2,K2,T1)

+ E(C,A,2,2,K2,T2) + E(C,A,2,2,K2,T3) + E(C,A,2,2,K2,T4)

+ E(C,A,2,2,K2,T5) + E(C,A,2,3,K2,T1) + E(C,A,2,3,K2,T2)

+ E(C,A,2,3,K2,T3) + E(C,A,2,3,K2,T4) + E(C,A,2,3,K2,T5)

+ E(C,A,3,1,K2,T1) + E(C,A,3,1,K2,T2) + E(C,A,3,1,K2,T3)

+ E(C,A,3,1,K2,T4) + E(C,A,3,1,K2,T5) + E(C,A,3,2,K2,T1)

+ E(C,A,3,2,K2,T2) + E(C,A,3,2,K2,T3) + E(C,A,3,2,K2,T4)

+ E(C,A,3,2,K2,T5) + E(C,A,3,3,K2,T1) + E(C,A,3,3,K2,T2)

+ E(C,A,3,3,K2,T3) + E(C,A,3,3,K2,T4) + E(C,A,3,3,K2,T5) =E= 361 ;

(LHS = 0, INFES = 361 ****)

E4(B,K1).. - I(K1,B,1,T5) - I(K1,B,2,T5) - I(K1,B,3,T5) + W(1,1,K1,B,T5)

+ W(1,2,K1,B,T5) + W(1,3,K1,B,T5) + W(2,1,K1,B,T5) + W(2,2,K1,B,T5)

+ W(2,3,K1,B,T5) + W(3,1,K1,B,T5) + W(3,2,K1,B,T5) + W(3,3,K1,B,T5)

+ E(A,B,1,1,K1,T1) + E(A,B,1,1,K1,T2) + E(A,B,1,1,K1,T3)

+ E(A,B,1,1,K1,T4) + E(A,B,1,1,K1,T5) + E(A,B,1,2,K1,T1)

+ E(A,B,1,2,K1,T2) + E(A,B,1,2,K1,T3) + E(A,B,1,2,K1,T4)

+ E(A,B,1,2,K1,T5) + E(A,B,1,3,K1,T1) + E(A,B,1,3,K1,T2)

+ E(A,B,1,3,K1,T3) + E(A,B,1,3,K1,T4) + E(A,B,1,3,K1,T5)

+ E(A,B,2,1,K1,T1) + E(A,B,2,1,K1,T2) + E(A,B,2,1,K1,T3)

+ E(A,B,2,1,K1,T4) + E(A,B,2,1,K1,T5) + E(A,B,2,2,K1,T1)

+ E(A,B,2,2,K1,T2) + E(A,B,2,2,K1,T3) + E(A,B,2,2,K1,T4)

+ E(A,B,2,2,K1,T5) + E(A,B,2,3,K1,T1) + E(A,B,2,3,K1,T2)

+ E(A,B,2,3,K1,T3) + E(A,B,2,3,K1,T4) + E(A,B,2,3,K1,T5)

+ E(A,B,3,1,K1,T1) + E(A,B,3,1,K1,T2) + E(A,B,3,1,K1,T3)

+ E(A,B,3,1,K1,T4) + E(A,B,3,1,K1,T5) + E(A,B,3,2,K1,T1)

+ E(A,B,3,2,K1,T2) + E(A,B,3,2,K1,T3) + E(A,B,3,2,K1,T4)

+ E(A,B,3,2,K1,T5) + E(A,B,3,3,K1,T1) + E(A,B,3,3,K1,T2)

+ E(A,B,3,3,K1,T3) + E(A,B,3,3,K1,T4) + E(A,B,3,3,K1,T5)

+ E(B,B,1,1,K1,T1) + E(B,B,1,1,K1,T2) + E(B,B,1,1,K1,T3)

+ E(B,B,1,1,K1,T4) + E(B,B,1,1,K1,T5) + E(B,B,1,2,K1,T1)

+ E(B,B,1,2,K1,T2) + E(B,B,1,2,K1,T3) + E(B,B,1,2,K1,T4)

+ E(B,B,1,2,K1,T5) + E(B,B,1,3,K1,T1) + E(B,B,1,3,K1,T2)

+ E(B,B,1,3,K1,T3) + E(B,B,1,3,K1,T4) + E(B,B,1,3,K1,T5)

+ E(B,B,2,1,K1,T1) + E(B,B,2,1,K1,T2) + E(B,B,2,1,K1,T3)

+ E(B,B,2,1,K1,T4) + E(B,B,2,1,K1,T5) + E(B,B,2,2,K1,T1)

+ E(B,B,2,2,K1,T2) + E(B,B,2,2,K1,T3) + E(B,B,2,2,K1,T4)

+ E(B,B,2,2,K1,T5) + E(B,B,2,3,K1,T1) + E(B,B,2,3,K1,T2)

+ E(B,B,2,3,K1,T3) + E(B,B,2,3,K1,T4) + E(B,B,2,3,K1,T5)

+ E(B,B,3,1,K1,T1) + E(B,B,3,1,K1,T2) + E(B,B,3,1,K1,T3)

+ E(B,B,3,1,K1,T4) + E(B,B,3,1,K1,T5) + E(B,B,3,2,K1,T1)

+ E(B,B,3,2,K1,T2) + E(B,B,3,2,K1,T3) + E(B,B,3,2,K1,T4)

+ E(B,B,3,2,K1,T5) + E(B,B,3,3,K1,T1) + E(B,B,3,3,K1,T2)

+ E(B,B,3,3,K1,T3) + E(B,B,3,3,K1,T4) + E(B,B,3,3,K1,T5)

+ E(C,B,1,1,K1,T1) + E(C,B,1,1,K1,T2) + E(C,B,1,1,K1,T3)

+ E(C,B,1,1,K1,T4) + E(C,B,1,1,K1,T5) + E(C,B,1,2,K1,T1)

+ E(C,B,1,2,K1,T2) + E(C,B,1,2,K1,T3) + E(C,B,1,2,K1,T4)

+ E(C,B,1,2,K1,T5) + E(C,B,1,3,K1,T1) + E(C,B,1,3,K1,T2)

+ E(C,B,1,3,K1,T3) + E(C,B,1,3,K1,T4) + E(C,B,1,3,K1,T5)

+ E(C,B,2,1,K1,T1) + E(C,B,2,1,K1,T2) + E(C,B,2,1,K1,T3)

+ E(C,B,2,1,K1,T4) + E(C,B,2,1,K1,T5) + E(C,B,2,2,K1,T1)

+ E(C,B,2,2,K1,T2) + E(C,B,2,2,K1,T3) + E(C,B,2,2,K1,T4)

+ E(C,B,2,2,K1,T5) + E(C,B,2,3,K1,T1) + E(C,B,2,3,K1,T2)

+ E(C,B,2,3,K1,T3) + E(C,B,2,3,K1,T4) + E(C,B,2,3,K1,T5)

+ E(C,B,3,1,K1,T1) + E(C,B,3,1,K1,T2) + E(C,B,3,1,K1,T3)

+ E(C,B,3,1,K1,T4) + E(C,B,3,1,K1,T5) + E(C,B,3,2,K1,T1)

+ E(C,B,3,2,K1,T2) + E(C,B,3,2,K1,T3) + E(C,B,3,2,K1,T4)

+ E(C,B,3,2,K1,T5) + E(C,B,3,3,K1,T1) + E(C,B,3,3,K1,T2)

+ E(C,B,3,3,K1,T3) + E(C,B,3,3,K1,T4) + E(C,B,3,3,K1,T5) =E= 358 ;

(LHS = 0, INFES = 358 ****)

E4(B,K2).. - I(K2,B,1,T5) - I(K2,B,2,T5) - I(K2,B,3,T5) + W(1,1,K2,B,T5)

+ W(1,2,K2,B,T5) + W(1,3,K2,B,T5) + W(2,1,K2,B,T5) + W(2,2,K2,B,T5)

+ W(2,3,K2,B,T5) + W(3,1,K2,B,T5) + W(3,2,K2,B,T5) + W(3,3,K2,B,T5)

+ E(A,B,1,1,K2,T1) + E(A,B,1,1,K2,T2) + E(A,B,1,1,K2,T3)

+ E(A,B,1,1,K2,T4) + E(A,B,1,1,K2,T5) + E(A,B,1,2,K2,T1)

+ E(A,B,1,2,K2,T2) + E(A,B,1,2,K2,T3) + E(A,B,1,2,K2,T4)

+ E(A,B,1,2,K2,T5) + E(A,B,1,3,K2,T1) + E(A,B,1,3,K2,T2)

+ E(A,B,1,3,K2,T3) + E(A,B,1,3,K2,T4) + E(A,B,1,3,K2,T5)

+ E(A,B,2,1,K2,T1) + E(A,B,2,1,K2,T2) + E(A,B,2,1,K2,T3)

+ E(A,B,2,1,K2,T4) + E(A,B,2,1,K2,T5) + E(A,B,2,2,K2,T1)

+ E(A,B,2,2,K2,T2) + E(A,B,2,2,K2,T3) + E(A,B,2,2,K2,T4)

+ E(A,B,2,2,K2,T5) + E(A,B,2,3,K2,T1) + E(A,B,2,3,K2,T2)

+ E(A,B,2,3,K2,T3) + E(A,B,2,3,K2,T4) + E(A,B,2,3,K2,T5)

+ E(A,B,3,1,K2,T1) + E(A,B,3,1,K2,T2) + E(A,B,3,1,K2,T3)

+ E(A,B,3,1,K2,T4) + E(A,B,3,1,K2,T5) + E(A,B,3,2,K2,T1)

+ E(A,B,3,2,K2,T2) + E(A,B,3,2,K2,T3) + E(A,B,3,2,K2,T4)

+ E(A,B,3,2,K2,T5) + E(A,B,3,3,K2,T1) + E(A,B,3,3,K2,T2)

+ E(A,B,3,3,K2,T3) + E(A,B,3,3,K2,T4) + E(A,B,3,3,K2,T5)

+ E(B,B,1,1,K2,T1) + E(B,B,1,1,K2,T2) + E(B,B,1,1,K2,T3)

+ E(B,B,1,1,K2,T4) + E(B,B,1,1,K2,T5) + E(B,B,1,2,K2,T1)

+ E(B,B,1,2,K2,T2) + E(B,B,1,2,K2,T3) + E(B,B,1,2,K2,T4)

+ E(B,B,1,2,K2,T5) + E(B,B,1,3,K2,T1) + E(B,B,1,3,K2,T2)

+ E(B,B,1,3,K2,T3) + E(B,B,1,3,K2,T4) + E(B,B,1,3,K2,T5)

+ E(B,B,2,1,K2,T1) + E(B,B,2,1,K2,T2) + E(B,B,2,1,K2,T3)

+ E(B,B,2,1,K2,T4) + E(B,B,2,1,K2,T5) + E(B,B,2,2,K2,T1)

+ E(B,B,2,2,K2,T2) + E(B,B,2,2,K2,T3) + E(B,B,2,2,K2,T4)

+ E(B,B,2,2,K2,T5) + E(B,B,2,3,K2,T1) + E(B,B,2,3,K2,T2)

+ E(B,B,2,3,K2,T3) + E(B,B,2,3,K2,T4) + E(B,B,2,3,K2,T5)

+ E(B,B,3,1,K2,T1) + E(B,B,3,1,K2,T2) + E(B,B,3,1,K2,T3)

+ E(B,B,3,1,K2,T4) + E(B,B,3,1,K2,T5) + E(B,B,3,2,K2,T1)

+ E(B,B,3,2,K2,T2) + E(B,B,3,2,K2,T3) + E(B,B,3,2,K2,T4)

+ E(B,B,3,2,K2,T5) + E(B,B,3,3,K2,T1) + E(B,B,3,3,K2,T2)

+ E(B,B,3,3,K2,T3) + E(B,B,3,3,K2,T4) + E(B,B,3,3,K2,T5)

+ E(C,B,1,1,K2,T1) + E(C,B,1,1,K2,T2) + E(C,B,1,1,K2,T3)

+ E(C,B,1,1,K2,T4) + E(C,B,1,1,K2,T5) + E(C,B,1,2,K2,T1)

+ E(C,B,1,2,K2,T2) + E(C,B,1,2,K2,T3) + E(C,B,1,2,K2,T4)

+ E(C,B,1,2,K2,T5) + E(C,B,1,3,K2,T1) + E(C,B,1,3,K2,T2)

+ E(C,B,1,3,K2,T3) + E(C,B,1,3,K2,T4) + E(C,B,1,3,K2,T5)

+ E(C,B,2,1,K2,T1) + E(C,B,2,1,K2,T2) + E(C,B,2,1,K2,T3)

+ E(C,B,2,1,K2,T4) + E(C,B,2,1,K2,T5) + E(C,B,2,2,K2,T1)

+ E(C,B,2,2,K2,T2) + E(C,B,2,2,K2,T3) + E(C,B,2,2,K2,T4)

+ E(C,B,2,2,K2,T5) + E(C,B,2,3,K2,T1) + E(C,B,2,3,K2,T2)

+ E(C,B,2,3,K2,T3) + E(C,B,2,3,K2,T4) + E(C,B,2,3,K2,T5)

+ E(C,B,3,1,K2,T1) + E(C,B,3,1,K2,T2) + E(C,B,3,1,K2,T3)

+ E(C,B,3,1,K2,T4) + E(C,B,3,1,K2,T5) + E(C,B,3,2,K2,T1)

+ E(C,B,3,2,K2,T2) + E(C,B,3,2,K2,T3) + E(C,B,3,2,K2,T4)

+ E(C,B,3,2,K2,T5) + E(C,B,3,3,K2,T1) + E(C,B,3,3,K2,T2)

+ E(C,B,3,3,K2,T3) + E(C,B,3,3,K2,T4) + E(C,B,3,3,K2,T5) =E= 317 ;

(LHS = 0, INFES = 317 ****)

E4(C,K1).. - I(K1,C,1,T5) - I(K1,C,2,T5) - I(K1,C,3,T5) + W(1,1,K1,C,T5)

+ W(1,2,K1,C,T5) + W(1,3,K1,C,T5) + W(2,1,K1,C,T5) + W(2,2,K1,C,T5)

+ W(2,3,K1,C,T5) + W(3,1,K1,C,T5) + W(3,2,K1,C,T5) + W(3,3,K1,C,T5)

+ E(A,C,1,1,K1,T1) + E(A,C,1,1,K1,T2) + E(A,C,1,1,K1,T3)

+ E(A,C,1,1,K1,T4) + E(A,C,1,1,K1,T5) + E(A,C,1,2,K1,T1)

+ E(A,C,1,2,K1,T2) + E(A,C,1,2,K1,T3) + E(A,C,1,2,K1,T4)

+ E(A,C,1,2,K1,T5) + E(A,C,1,3,K1,T1) + E(A,C,1,3,K1,T2)

+ E(A,C,1,3,K1,T3) + E(A,C,1,3,K1,T4) + E(A,C,1,3,K1,T5)

+ E(A,C,2,1,K1,T1) + E(A,C,2,1,K1,T2) + E(A,C,2,1,K1,T3)

+ E(A,C,2,1,K1,T4) + E(A,C,2,1,K1,T5) + E(A,C,2,2,K1,T1)

+ E(A,C,2,2,K1,T2) + E(A,C,2,2,K1,T3) + E(A,C,2,2,K1,T4)

+ E(A,C,2,2,K1,T5) + E(A,C,2,3,K1,T1) + E(A,C,2,3,K1,T2)

+ E(A,C,2,3,K1,T3) + E(A,C,2,3,K1,T4) + E(A,C,2,3,K1,T5)

+ E(A,C,3,1,K1,T1) + E(A,C,3,1,K1,T2) + E(A,C,3,1,K1,T3)

+ E(A,C,3,1,K1,T4) + E(A,C,3,1,K1,T5) + E(A,C,3,2,K1,T1)

+ E(A,C,3,2,K1,T2) + E(A,C,3,2,K1,T3) + E(A,C,3,2,K1,T4)

+ E(A,C,3,2,K1,T5) + E(A,C,3,3,K1,T1) + E(A,C,3,3,K1,T2)

+ E(A,C,3,3,K1,T3) + E(A,C,3,3,K1,T4) + E(A,C,3,3,K1,T5)

+ E(B,C,1,1,K1,T1) + E(B,C,1,1,K1,T2) + E(B,C,1,1,K1,T3)

+ E(B,C,1,1,K1,T4) + E(B,C,1,1,K1,T5) + E(B,C,1,2,K1,T1)

+ E(B,C,1,2,K1,T2) + E(B,C,1,2,K1,T3) + E(B,C,1,2,K1,T4)

+ E(B,C,1,2,K1,T5) + E(B,C,1,3,K1,T1) + E(B,C,1,3,K1,T2)

+ E(B,C,1,3,K1,T3) + E(B,C,1,3,K1,T4) + E(B,C,1,3,K1,T5)

+ E(B,C,2,1,K1,T1) + E(B,C,2,1,K1,T2) + E(B,C,2,1,K1,T3)

+ E(B,C,2,1,K1,T4) + E(B,C,2,1,K1,T5) + E(B,C,2,2,K1,T1)

+ E(B,C,2,2,K1,T2) + E(B,C,2,2,K1,T3) + E(B,C,2,2,K1,T4)

+ E(B,C,2,2,K1,T5) + E(B,C,2,3,K1,T1) + E(B,C,2,3,K1,T2)

+ E(B,C,2,3,K1,T3) + E(B,C,2,3,K1,T4) + E(B,C,2,3,K1,T5)

+ E(B,C,3,1,K1,T1) + E(B,C,3,1,K1,T2) + E(B,C,3,1,K1,T3)

+ E(B,C,3,1,K1,T4) + E(B,C,3,1,K1,T5) + E(B,C,3,2,K1,T1)

+ E(B,C,3,2,K1,T2) + E(B,C,3,2,K1,T3) + E(B,C,3,2,K1,T4)

+ E(B,C,3,2,K1,T5) + E(B,C,3,3,K1,T1) + E(B,C,3,3,K1,T2)

+ E(B,C,3,3,K1,T3) + E(B,C,3,3,K1,T4) + E(B,C,3,3,K1,T5)

+ E(C,C,1,1,K1,T1) + E(C,C,1,1,K1,T2) + E(C,C,1,1,K1,T3)

+ E(C,C,1,1,K1,T4) + E(C,C,1,1,K1,T5) + E(C,C,1,2,K1,T1)

+ E(C,C,1,2,K1,T2) + E(C,C,1,2,K1,T3) + E(C,C,1,2,K1,T4)

+ E(C,C,1,2,K1,T5) + E(C,C,1,3,K1,T1) + E(C,C,1,3,K1,T2)

+ E(C,C,1,3,K1,T3) + E(C,C,1,3,K1,T4) + E(C,C,1,3,K1,T5)

+ E(C,C,2,1,K1,T1) + E(C,C,2,1,K1,T2) + E(C,C,2,1,K1,T3)

+ E(C,C,2,1,K1,T4) + E(C,C,2,1,K1,T5) + E(C,C,2,2,K1,T1)

+ E(C,C,2,2,K1,T2) + E(C,C,2,2,K1,T3) + E(C,C,2,2,K1,T4)

+ E(C,C,2,2,K1,T5) + E(C,C,2,3,K1,T1) + E(C,C,2,3,K1,T2)

+ E(C,C,2,3,K1,T3) + E(C,C,2,3,K1,T4) + E(C,C,2,3,K1,T5)

+ E(C,C,3,1,K1,T1) + E(C,C,3,1,K1,T2) + E(C,C,3,1,K1,T3)

+ E(C,C,3,1,K1,T4) + E(C,C,3,1,K1,T5) + E(C,C,3,2,K1,T1)

+ E(C,C,3,2,K1,T2) + E(C,C,3,2,K1,T3) + E(C,C,3,2,K1,T4)

+ E(C,C,3,2,K1,T5) + E(C,C,3,3,K1,T1) + E(C,C,3,3,K1,T2)

+ E(C,C,3,3,K1,T3) + E(C,C,3,3,K1,T4) + E(C,C,3,3,K1,T5) =E= 440 ;

(LHS = 0, INFES = 440 ****)

E4(C,K2).. - I(K2,C,1,T5) - I(K2,C,2,T5) - I(K2,C,3,T5) + W(1,1,K2,C,T5)

+ W(1,2,K2,C,T5) + W(1,3,K2,C,T5) + W(2,1,K2,C,T5) + W(2,2,K2,C,T5)

+ W(2,3,K2,C,T5) + W(3,1,K2,C,T5) + W(3,2,K2,C,T5) + W(3,3,K2,C,T5)

+ E(A,C,1,1,K2,T1) + E(A,C,1,1,K2,T2) + E(A,C,1,1,K2,T3)

+ E(A,C,1,1,K2,T4) + E(A,C,1,1,K2,T5) + E(A,C,1,2,K2,T1)

+ E(A,C,1,2,K2,T2) + E(A,C,1,2,K2,T3) + E(A,C,1,2,K2,T4)

+ E(A,C,1,2,K2,T5) + E(A,C,1,3,K2,T1) + E(A,C,1,3,K2,T2)

+ E(A,C,1,3,K2,T3) + E(A,C,1,3,K2,T4) + E(A,C,1,3,K2,T5)

+ E(A,C,2,1,K2,T1) + E(A,C,2,1,K2,T2) + E(A,C,2,1,K2,T3)

+ E(A,C,2,1,K2,T4) + E(A,C,2,1,K2,T5) + E(A,C,2,2,K2,T1)

+ E(A,C,2,2,K2,T2) + E(A,C,2,2,K2,T3) + E(A,C,2,2,K2,T4)

+ E(A,C,2,2,K2,T5) + E(A,C,2,3,K2,T1) + E(A,C,2,3,K2,T2)

+ E(A,C,2,3,K2,T3) + E(A,C,2,3,K2,T4) + E(A,C,2,3,K2,T5)

+ E(A,C,3,1,K2,T1) + E(A,C,3,1,K2,T2) + E(A,C,3,1,K2,T3)

+ E(A,C,3,1,K2,T4) + E(A,C,3,1,K2,T5) + E(A,C,3,2,K2,T1)

+ E(A,C,3,2,K2,T2) + E(A,C,3,2,K2,T3) + E(A,C,3,2,K2,T4)

+ E(A,C,3,2,K2,T5) + E(A,C,3,3,K2,T1) + E(A,C,3,3,K2,T2)

+ E(A,C,3,3,K2,T3) + E(A,C,3,3,K2,T4) + E(A,C,3,3,K2,T5)

+ E(B,C,1,1,K2,T1) + E(B,C,1,1,K2,T2) + E(B,C,1,1,K2,T3)

+ E(B,C,1,1,K2,T4) + E(B,C,1,1,K2,T5) + E(B,C,1,2,K2,T1)

+ E(B,C,1,2,K2,T2) + E(B,C,1,2,K2,T3) + E(B,C,1,2,K2,T4)

+ E(B,C,1,2,K2,T5) + E(B,C,1,3,K2,T1) + E(B,C,1,3,K2,T2)

+ E(B,C,1,3,K2,T3) + E(B,C,1,3,K2,T4) + E(B,C,1,3,K2,T5)

+ E(B,C,2,1,K2,T1) + E(B,C,2,1,K2,T2) + E(B,C,2,1,K2,T3)

+ E(B,C,2,1,K2,T4) + E(B,C,2,1,K2,T5) + E(B,C,2,2,K2,T1)

+ E(B,C,2,2,K2,T2) + E(B,C,2,2,K2,T3) + E(B,C,2,2,K2,T4)

+ E(B,C,2,2,K2,T5) + E(B,C,2,3,K2,T1) + E(B,C,2,3,K2,T2)

+ E(B,C,2,3,K2,T3) + E(B,C,2,3,K2,T4) + E(B,C,2,3,K2,T5)

+ E(B,C,3,1,K2,T1) + E(B,C,3,1,K2,T2) + E(B,C,3,1,K2,T3)

+ E(B,C,3,1,K2,T4) + E(B,C,3,1,K2,T5) + E(B,C,3,2,K2,T1)

+ E(B,C,3,2,K2,T2) + E(B,C,3,2,K2,T3) + E(B,C,3,2,K2,T4)

+ E(B,C,3,2,K2,T5) + E(B,C,3,3,K2,T1) + E(B,C,3,3,K2,T2)

+ E(B,C,3,3,K2,T3) + E(B,C,3,3,K2,T4) + E(B,C,3,3,K2,T5)

+ E(C,C,1,1,K2,T1) + E(C,C,1,1,K2,T2) + E(C,C,1,1,K2,T3)

+ E(C,C,1,1,K2,T4) + E(C,C,1,1,K2,T5) + E(C,C,1,2,K2,T1)

+ E(C,C,1,2,K2,T2) + E(C,C,1,2,K2,T3) + E(C,C,1,2,K2,T4)

+ E(C,C,1,2,K2,T5) + E(C,C,1,3,K2,T1) + E(C,C,1,3,K2,T2)

+ E(C,C,1,3,K2,T3) + E(C,C,1,3,K2,T4) + E(C,C,1,3,K2,T5)

+ E(C,C,2,1,K2,T1) + E(C,C,2,1,K2,T2) + E(C,C,2,1,K2,T3)

+ E(C,C,2,1,K2,T4) + E(C,C,2,1,K2,T5) + E(C,C,2,2,K2,T1)

+ E(C,C,2,2,K2,T2) + E(C,C,2,2,K2,T3) + E(C,C,2,2,K2,T4)

+ E(C,C,2,2,K2,T5) + E(C,C,2,3,K2,T1) + E(C,C,2,3,K2,T2)

+ E(C,C,2,3,K2,T3) + E(C,C,2,3,K2,T4) + E(C,C,2,3,K2,T5)

+ E(C,C,3,1,K2,T1) + E(C,C,3,1,K2,T2) + E(C,C,3,1,K2,T3)

+ E(C,C,3,1,K2,T4) + E(C,C,3,1,K2,T5) + E(C,C,3,2,K2,T1)

+ E(C,C,3,2,K2,T2) + E(C,C,3,2,K2,T3) + E(C,C,3,2,K2,T4)

+ E(C,C,3,2,K2,T5) + E(C,C,3,3,K2,T1) + E(C,C,3,3,K2,T2)

+ E(C,C,3,3,K2,T3) + E(C,C,3,3,K2,T4) + E(C,C,3,3,K2,T5) =E= 327 ;

(LHS = 0, INFES = 327 ****)

G e n e r a l   A l g e b r a i c   M o d e l i n g   S y s t e m

Column Listing   SOLVE FINAL Using MIP From line 110

---- Z

Z

        (.LO, .L, .UP, .M = -INF, 0, +INF, 0)

    1   OBJ

---- X

X(1,1,K1,A,T1)

        (.LO, .L, .UP, .M = 0, 0, 100, 0)

    -4   OBJ

    1   E2(K1,A,1,T1)

X(1,1,K1,A,T2)

        (.LO, .L, .UP, .M = 0, 0, 100, 0)

    -4   OBJ

    1   E2(K1,A,1,T2)

X(1,1,K1,A,T3)

        (.LO, .L, .UP, .M = 0, 0, 100, 0)

    -4   OBJ

    1   E2(K1,A,1,T3)

REMAINING 267 ENTRIES SKIPPED

---- I

I(K1,A,1,T1)

      (.LO, .L, .UP, .M = 0, 0, 100, 0)

  -1   E1(1,T1,K1,A)

   1   E1(1,T2,K1,A)

   1   E2(K1,A,1,T1)

  -1   E2(K1,A,1,T2)

I(K1,A,1,T2)

      (.LO, .L, .UP, .M = 0, 0, 100, 0)

  -1   E1(1,T2,K1,A)

   1   E1(1,T3,K1,A)

   1   E2(K1,A,1,T2)

  -1   E2(K1,A,1,T3)

I(K1,A,1,T3)

      (.LO, .L, .UP, .M = 0, 0, 100, 0)

  -1   E1(1,T3,K1,A)

   1   E1(1,T4,K1,A)

   1   E2(K1,A,1,T3)

  -1   E2(K1,A,1,T4)

REMAINING 87 ENTRIES SKIPPED

---- W

W(1,1,K1,A,T1)

       (.LO, .L, .UP, .M = 0, 0, 100, 0)

  -2   OBJ

   1   E3(1,1,T1,K1,A)

  -1   E3(1,1,T2,K1,A)

W(1,1,K1,A,T2)

       (.LO, .L, .UP, .M = 0, 0, 100, 0)

  -2   OBJ

   1   E3(1,1,T2,K1,A)

  -1   E3(1,1,T3,K1,A)

W(1,1,K1,A,T3)

       (.LO, .L, .UP, .M = 0, 0, 100, 0)

  -2   OBJ

   1   E3(1,1,T3,K1,A)

  -1   E3(1,1,T4,K1,A)

REMAINING 267 ENTRIES SKIPPED

---- E

E(A,A,1,1,K1,T1)

       (.LO, .L, .UP, .M = 0, 0, 100, 0)

  -8   OBJ

  -1   E1(1,T1,K1,A)

   1   E1(1,T3,K1,A)

   1   E2(K1,A,1,T1)

  -1   E2(K1,A,1,T3)

1   E3(1,1,T1,K1,A)

1   E4(A,K1)

E(A,A,1,1,K1,T2)

(.LO, .L, .UP, .M = 0, 0, 100, 0)

-8   OBJ

-1   E1(1,T2,K1,A)

1   E1(1,T4,K1,A)

1   E2(K1,A,1,T2)

-1   E2(K1,A,1,T4)

1   E3(1,1,T2,K1,A)

1   E4(A,K1)

E(A,A,1,1,K1,T3)

(.LO, .L, .UP, .M = 0, 0, 100, 0)

-8   OBJ

-1   E1(1,T3,K1,A)

1   E1(1,T5,K1,A)

1   E2(K1,A,1,T3)

-1   E2(K1,A,1,T5)

1   E3(1,1,T3,K1,A)

1   E4(A,K1)

REMAINING 807 ENTRIES SKIPPED

****

**** 1440 Integer +INF Bounds have been reset to 100 (see Option IntVarUp)

****

G e n e r a l   A l g e b r a i c   M o d e l i n g   S y s t e m

Model Statistics   SOLVE FINAL Using MIP From line 110

MODEL STATISTICS

BLOCKS OF EQUATIONS   5   SINGLE EQUATIONS   457

BLOCKS OF VARIABLES   5   SINGLE VARIABLES   1,441

NON ZERO ELEMENTS   6,589   DISCRETE VARIABLES   1,440

GENERATION TIME   =   0.031 SECONDS   5 MB 25.1.2 r67455 WEX-WEI

EXECUTION TIME   =   0.031 SECONDS   5 MB 25.1.2 r67455 WEX-WEI

G e n e r a l   A l g e b r a i c   M o d e l i n g   S y s t e m

Solution Report   SOLVE FINAL Using MIP From line 110

S O L V E   S U M M A R Y

MODEL   FINAL   OBJECTIVE Z

TYPE   MIP   DIRECTION MINIMIZE

SOLVER CPLEX   FROM LINE 110

**** SOLVER STATUS   1 Normal Completion

**** MODEL STATUS   1 Optimal

**** OBJECTIVE VALUE   22322.0000

 RESOURCE USAGE, LIMIT   0.203   1000.000

 ITERATION COUNT, LIMIT   253   2000000000

IBM ILOG CPLEX   25.1.2 r67455 Released Aug 1, 2018 WEI x86 64bit/MS Windows

--- GAMS/Cplex licensed for continuous and discrete problems.

Cplex 12.8.0.0

Space for names approximately 0.04 Mb

Use option 'names no' to turn use of names off

MIP status(101): integer optimal solution

Cplex Time: 0.17sec (det. 13.16 ticks)

Fixing integer variables, and solving final LP...

Fixed MIP status(1): optimal

Cplex Time: 0.01sec (det. 0.71 ticks)

Proven optimal solution.

MIP Solution: 22322.000000   (253 iterations, 0 nodes)
Final Solve: 22322.000000   (0 iterations)

Best possible: 22322.000000

Absolute gap: 0.000000

Relative gap: 0.000000

             LOWER   LEVEL   UPPER   MARGINAL

---- EQU OBJ   .   .   .   1.000

---- EQU E1

             LOWER   LEVEL   UPPER   MARGINAL

1.T1.K1.A -20.000   -20.000   -20.000   .

1.T1.K1.B -18.000   -18.000   -18.000   .

1.T1.K1.C -13.000   -13.000   -13.000   .

1.T1.K2.A -12.000   -12.000   -12.000   .

1.T1.K2.B   -9.000   -9.000   -9.000   .

1.T1.K2.C -31.000   -31.000   -31.000   .

1.T2.K1.A -23.000   -23.000   -23.000   .

1.T2.K1.B   .   .   .   .

1.T2.K1.C   -4.000   -4.000   -4.000   .

1.T2.K2.A -13.000   -13.000   -13.000   .

1.T2.K2.B   -9.000   -9.000   -9.000   .

```
1.T2.K2.C  -12.000  -12.000  -12.000    .

1.T3.K1.A  -18.000  -18.000  -18.000    .

1.T3.K1.B  -31.000  -31.000  -31.000    .

1.T3.K1.C  -8.000   -8.000   -8.000     .

1.T3.K2.A  -16.000  -16.000  -16.000    .

1.T3.K2.B  -15.000  -15.000  -15.000    .

1.T3.K2.C  -6.000   -6.000   -6.000     .

1.T4.K1.A  -12.000  -12.000  -12.000    .

1.T4.K1.B  -12.000  -12.000  -12.000    .

1.T4.K1.C    .        .        .        .

1.T4.K2.A    .        .        .        .

1.T4.K2.B    .        .        .        .

1.T4.K2.C    .        .        .        .

1.T5.K1.A  -12.000  -12.000  -12.000    .

1.T5.K1.B  -8.000   -8.000   -8.000     .

1.T5.K1.C  -12.000  -12.000  -12.000    .

1.T5.K2.A  -25.000  -25.000  -25.000    .

1.T5.K2.B  -1.000   -1.000   -1.000     .

1.T5.K2.C  -12.000  -12.000  -12.000    .

2.T1.K1.A    .        .        .        .

2.T1.K1.B  -19.000  -19.000  -19.000    .

2.T1.K1.C  -14.000  -14.000  -14.000    .

2.T1.K2.A  -8.000   -8.000   -8.000     .

2.T1.K2.B  -19.000  -19.000  -19.000    .

2.T1.K2.C  -7.000   -7.000   -7.000     .

2.T2.K1.A    .        .        .        .

2.T2.K1.B    .        .        .        .

2.T2.K1.C  -23.000  -23.000  -23.000    .

2.T2.K2.A  -7.000   -7.000   -7.000     .
```

```
2.T2.K2.B   -6.000   -6.000   -6.000      .

2.T2.K2.C   -7.000   -7.000   -7.000      .

2.T3.K1.A     .        .        .         .

2.T3.K1.B  -12.000  -12.000  -12.000      .

2.T3.K1.C   -9.000   -9.000   -9.000      .

2.T3.K2.A     .        .        .         .

2.T3.K2.B     .        .        .         .

2.T3.K2.C   -8.000   -8.000   -8.000      .

2.T4.K1.A     .        .        .         .

2.T4.K1.B  -12.000  -12.000  -12.000      .

2.T4.K1.C     .        .        .         .

2.T4.K2.A     .        .        .         .

2.T4.K2.B     .        .        .         .

2.T4.K2.C     .        .        .         .

2.T5.K1.A   -5.000   -5.000   -5.000      .

2.T5.K1.B   -8.000   -8.000   -8.000      .

2.T5.K1.C     .        .        .         .

2.T5.K2.A  -12.000  -12.000  -12.000      .

2.T5.K2.B     .        .        .         .

2.T5.K2.C     .        .        .         .

3.T1.K1.A  -24.000  -24.000  -24.000      .

3.T1.K1.B  -25.000  -25.000  -25.000      .

3.T1.K1.C  -23.000  -23.000  -23.000      .

3.T1.K2.A   -5.000   -5.000   -5.000      .

3.T1.K2.B  -29.000  -29.000  -29.000      .

3.T1.K2.C  -12.000  -12.000  -12.000      .

3.T2.K1.A  -19.000  -19.000  -19.000      .

3.T2.K1.B     .        .        .         .

3.T2.K1.C   -1.000   -1.000   -1.000      .
```

3.T2.K2.A -6.000   -6.000   -6.000   .

3.T2.K2.B -5.000   -5.000   -5.000   .

3.T2.K2.C   .   .   .   .

3.T3.K1.A -5.000   -5.000   -5.000   .

3.T3.K1.B -4.000   -4.000   -4.000   .

3.T3.K1.C -21.000 -21.000 -21.000   .

3.T3.K2.A   .   .   .   .

3.T3.K2.B -8.000   -8.000   -8.000   .

3.T3.K2.C   .   .   .   .

3.T4.K1.A -19.000 -19.000 -19.000   .

3.T4.K1.B -14.000 -14.000 -14.000   .

3.T4.K1.C   .   .   .   .

3.T4.K2.A   .   .   .   .

3.T4.K2.B -8.000   -8.000   -8.000   .

3.T4.K2.C   .   .   .   .

3.T5.K1.A -8.000   -8.000   -8.000   .

3.T5.K1.B -8.000   -8.000   -8.000   .

3.T5.K1.C -9.000   -9.000   -9.000   .

3.T5.K2.A -8.000   -8.000   -8.000   .

3.T5.K2.B -9.000   -9.000   -9.000   .

3.T5.K2.C   .   .   .   .

---- EQU E2

          LOWER   LEVEL   UPPER   MARGINAL

K1.A.1.T1   -INF   20.000   20.000   .

K1.A.1.T2   -INF   23.000   23.000   .

K1.A.1.T3   -INF   18.000   18.000   .

```
K1.A.1.T4   -INF   12.000   12.000   .
K1.A.1.T5   -INF   12.000   12.000   .
K1.A.2.T1   -INF     .        .      .
K1.A.2.T2   -INF     .        .      .
K1.A.2.T3   -INF     .        .      .
K1.A.2.T4   -INF     .        .      .
K1.A.2.T5   -INF    5.000    5.000   .
K1.A.3.T1   -INF   24.000   24.000   .
K1.A.3.T2   -INF   19.000   19.000   .
K1.A.3.T3   -INF    5.000    5.000   .
K1.A.3.T4   -INF   19.000   19.000   .
K1.A.3.T5   -INF    8.000    8.000   .
K1.B.1.T1   -INF   18.000   18.000   .
K1.B.1.T2   -INF     .        .      .
K1.B.1.T3   -INF   31.000   31.000   .
K1.B.1.T4   -INF   12.000   12.000   .
K1.B.1.T5   -INF    8.000    8.000   .
K1.B.2.T1   -INF   19.000   19.000   .
K1.B.2.T2   -INF     .        .      .
K1.B.2.T3   -INF   12.000   12.000   .
K1.B.2.T4   -INF   12.000   12.000   .
K1.B.2.T5   -INF    8.000    8.000   .
K1.B.3.T1   -INF   25.000   25.000   .
K1.B.3.T2   -INF     .        .      .
K1.B.3.T3   -INF    4.000    4.000   .
K1.B.3.T4   -INF   14.000   14.000   .
K1.B.3.T5   -INF    8.000    8.000   .
K1.C.1.T1   -INF   13.000   13.000   .
K1.C.1.T2   -INF    4.000    4.000   .
```

K1.C.1.T3	-INF	8.000	8.000	.
K1.C.1.T4	-INF	.	.	.
K1.C.1.T5	-INF	12.000	12.000	.
K1.C.2.T1	-INF	14.000	14.000	.
K1.C.2.T2	-INF	23.000	23.000	.
K1.C.2.T3	-INF	9.000	9.000	.
K1.C.2.T4	-INF	.	.	.
K1.C.2.T5	-INF	.	.	.
K1.C.3.T1	-INF	23.000	23.000	.
K1.C.3.T2	-INF	1.000	1.000	.
K1.C.3.T3	-INF	21.000	21.000	.
K1.C.3.T4	-INF	.	.	.
K1.C.3.T5	-INF	9.000	9.000	.
K2.A.1.T1	-INF	12.000	12.000	.
K2.A.1.T2	-INF	13.000	13.000	.
K2.A.1.T3	-INF	16.000	16.000	.
K2.A.1.T4	-INF	.	.	.
K2.A.1.T5	-INF	25.000	25.000	.
K2.A.2.T1	-INF	8.000	8.000	.
K2.A.2.T2	-INF	7.000	7.000	.
K2.A.2.T3	-INF	.	.	.
K2.A.2.T4	-INF	.	.	.
K2.A.2.T5	-INF	12.000	12.000	.
K2.A.3.T1	-INF	5.000	5.000	.
K2.A.3.T2	-INF	6.000	6.000	.
K2.A.3.T3	-INF	.	.	.
K2.A.3.T4	-INF	.	.	.
K2.A.3.T5	-INF	8.000	8.000	.
K2.B.1.T1	-INF	9.000	9.000	.

K2.B.1.T2	-INF	9.000	9.000	.
K2.B.1.T3	-INF	15.000	15.000	.
K2.B.1.T4	-INF	.	.	.
K2.B.1.T5	-INF	1.000	1.000	.
K2.B.2.T1	-INF	19.000	19.000	.
K2.B.2.T2	-INF	6.000	6.000	.
K2.B.2.T3	-INF	.	.	.
K2.B.2.T4	-INF	.	.	.
K2.B.2.T5	-INF	.	.	.
K2.B.3.T1	-INF	29.000	29.000	.
K2.B.3.T2	-INF	5.000	5.000	.
K2.B.3.T3	-INF	8.000	8.000	.
K2.B.3.T4	-INF	8.000	8.000	.
K2.B.3.T5	-INF	9.000	9.000	.
K2.C.1.T1	-INF	31.000	31.000	.
K2.C.1.T2	-INF	12.000	12.000	.
K2.C.1.T3	-INF	6.000	6.000	.
K2.C.1.T4	-INF	.	.	.
K2.C.1.T5	-INF	12.000	12.000	.
K2.C.2.T1	-INF	7.000	7.000	.
K2.C.2.T2	-INF	7.000	7.000	.
K2.C.2.T3	-INF	8.000	8.000	.
K2.C.2.T4	-INF	.	.	.
K2.C.2.T5	-INF	.	.	.
K2.C.3.T1	-INF	12.000	12.000	.
K2.C.3.T2	-INF	.	.	.
K2.C.3.T3	-INF	.	.	.
K2.C.3.T4	-INF	.	.	.
K2.C.3.T5	-INF	.	.	.

---- EQU E3

	LOWER	LEVEL	UPPER	MARGINAL
1.1.T1.K1.A	.	.	.	.
1.1.T1.K1.B	.	.	.	.
1.1.T1.K1.C	.	.	.	.
1.1.T1.K2.A	.	.	.	.
1.1.T1.K2.B	.	.	.	.
1.1.T1.K2.C	.	.	.	.
1.1.T2.K1.A	.	.	.	.
1.1.T2.K1.B	.	.	.	.
1.1.T2.K1.C	.	.	.	.
1.1.T2.K2.A	.	.	.	.
1.1.T2.K2.B	.	.	.	.
1.1.T2.K2.C	.	.	.	.
1.1.T3.K1.A	.	.	.	.
1.1.T3.K1.B	.	.	.	.
1.1.T3.K1.C	.	.	.	.
1.1.T3.K2.A	.	.	.	.
1.1.T3.K2.B	.	.	.	.
1.1.T3.K2.C	.	.	.	.
1.1.T4.K1.A	.	.	.	.
1.1.T4.K1.B	.	.	.	.
1.1.T4.K1.C	.	.	.	.
1.1.T4.K2.A	.	.	.	.
1.1.T4.K2.B	.	.	.	.
1.1.T4.K2.C	.	.	.	.

1.1.T5.K1.A	.	.	.	.
1.1.T5.K1.B	.	.	.	.
1.1.T5.K1.C	.	.	.	.
1.1.T5.K2.A	.	.	.	.
1.1.T5.K2.B	.	.	.	.
1.1.T5.K2.C	.	.	.	.
1.2.T1.K1.A	5.000	5.000	5.000	.
1.2.T1.K1.B	5.000	5.000	5.000	.
1.2.T1.K1.C	5.000	5.000	5.000	.
1.2.T1.K2.A	5.000	5.000	5.000	.
1.2.T1.K2.B	12.000	12.000	12.000	.
1.2.T1.K2.C	5.000	5.000	5.000	.
1.2.T2.K1.A	11.000	11.000	11.000	.
1.2.T2.K1.B	13.000	13.000	13.000	.
1.2.T2.K1.C	11.000	11.000	11.000	.
1.2.T2.K2.A	11.000	11.000	11.000	.
1.2.T2.K2.B	13.000	13.000	13.000	.
1.2.T2.K2.C	11.000	11.000	11.000	.
1.2.T3.K1.A	4.000	4.000	4.000	.
1.2.T3.K1.B	6.000	6.000	6.000	.
1.2.T3.K1.C	4.000	4.000	4.000	.
1.2.T3.K2.A	6.000	6.000	6.000	.
1.2.T3.K2.B	4.000	4.000	4.000	.
1.2.T3.K2.C	4.000	4.000	4.000	.
1.2.T4.K1.A	12.000	12.000	12.000	.
1.2.T4.K1.B	21.000	21.000	21.000	.
1.2.T4.K1.C	12.000	12.000	12.000	.
1.2.T4.K2.A	12.000	12.000	12.000	.
1.2.T4.K2.B	4.000	4.000	4.000	.

1.2.T4.K2.C	12.000	12.000	12.000	.
1.2.T5.K1.A	23.000	23.000	23.000	.
1.2.T5.K1.B	23.000	23.000	23.000	.
1.2.T5.K1.C	23.000	23.000	23.000	.
1.2.T5.K2.A	23.000	23.000	23.000	.
1.2.T5.K2.B	23.000	23.000	23.000	.
1.2.T5.K2.C	19.000	19.000	19.000	.
1.3.T1.K1.A	10.000	10.000	10.000	.
1.3.T1.K1.B	8.000	8.000	8.000	.
1.3.T1.K1.C	10.000	10.000	10.000	.
1.3.T1.K2.A	10.000	10.000	10.000	.
1.3.T1.K2.B	5.000	5.000	5.000	.
1.3.T1.K2.C	10.000	10.000	10.000	.
1.3.T2.K1.A	31.000	31.000	31.000	.
1.3.T2.K1.B	21.000	21.000	21.000	.
1.3.T2.K1.C	31.000	31.000	31.000	.
1.3.T2.K2.A	15.000	15.000	15.000	.
1.3.T2.K2.B	13.000	13.000	13.000	.
1.3.T2.K2.C	13.000	13.000	13.000	.
1.3.T3.K1.A	24.000	24.000	24.000	.
1.3.T3.K1.B	18.000	18.000	18.000	.
1.3.T3.K1.C	24.000	24.000	24.000	.
1.3.T3.K2.A	18.000	18.000	18.000	.
1.3.T3.K2.B	31.000	31.000	31.000	.
1.3.T3.K2.C	8.000	8.000	8.000	.
1.3.T4.K1.A	24.000	24.000	24.000	.
1.3.T4.K1.B	2.000	2.000	2.000	.
1.3.T4.K1.C	24.000	24.000	24.000	.
1.3.T4.K2.A	12.000	12.000	12.000	.

1.3.T4.K2.B	24.000	24.000	24.000	.
1.3.T4.K2.C	12.000	12.000	12.000	.
1.3.T5.K1.A	41.000	41.000	41.000	.
1.3.T5.K1.B	41.000	41.000	41.000	.
1.3.T5.K1.C	41.000	41.000	41.000	.
1.3.T5.K2.A	41.000	41.000	41.000	.
1.3.T5.K2.B	21.000	21.000	21.000	.
1.3.T5.K2.C	13.000	13.000	13.000	.
2.1.T1.K1.A	12.000	12.000	12.000	.
2.1.T1.K1.B	12.000	12.000	12.000	.
2.1.T1.K1.C	12.000	12.000	12.000	.
2.1.T1.K2.A	8.000	8.000	8.000	.
2.1.T1.K2.B	6.000	6.000	6.000	.
2.1.T1.K2.C	6.000	6.000	6.000	.
2.1.T2.K1.A	21.000	21.000	21.000	.
2.1.T2.K1.B	15.000	15.000	15.000	.
2.1.T2.K1.C	21.000	21.000	21.000	.
2.1.T2.K2.A	14.000	14.000	14.000	.
2.1.T2.K2.B	8.000	8.000	8.000	.
2.1.T2.K2.C	21.000	21.000	21.000	.
2.1.T3.K1.A	9.000	9.000	9.000	.
2.1.T3.K1.B	5.000	5.000	5.000	.
2.1.T3.K1.C	9.000	9.000	9.000	.
2.1.T3.K2.A	16.000	16.000	16.000	.
2.1.T3.K2.B	9.000	9.000	9.000	.
2.1.T3.K2.C	9.000	9.000	9.000	.
2.1.T4.K1.A	21.000	21.000	21.000	.
2.1.T4.K1.B	9.000	9.000	9.000	.
2.1.T4.K1.C	21.000	21.000	21.000	.

2.1.T4.K2.A	12.000	12.000	12.000	.
2.1.T4.K2.B	8.000	8.000	8.000	.
2.1.T4.K2.C	2.000	2.000	2.000	.
2.1.T5.K1.A	21.000	21.000	21.000	.
2.1.T5.K1.B	21.000	21.000	21.000	.
2.1.T5.K1.C	21.000	21.000	21.000	.
2.1.T5.K2.A	21.000	21.000	21.000	.
2.1.T5.K2.B	3.000	3.000	3.000	.
2.1.T5.K2.C	16.000	16.000	16.000	.
2.2.T1.K1.A	.	.	.	.
2.2.T1.K1.B	.	.	.	.
2.2.T1.K1.C	.	.	.	.
2.2.T1.K2.A	.	.	.	.
2.2.T1.K2.B	.	.	.	.
2.2.T1.K2.C	.	.	.	.
2.2.T2.K1.A	.	.	.	.
2.2.T2.K1.B	.	.	.	.
2.2.T2.K1.C	.	.	.	.
2.2.T2.K2.A	.	.	.	.
2.2.T2.K2.B	.	.	.	.
2.2.T2.K2.C	.	.	.	.
2.2.T3.K1.A	.	.	.	.
2.2.T3.K1.B	.	.	.	.
2.2.T3.K1.C	.	.	.	.
2.2.T3.K2.A	.	.	.	.
2.2.T3.K2.B	.	.	.	.
2.2.T3.K2.C	.	.	.	.
2.2.T4.K1.A	.	.	.	.
2.2.T4.K1.B	.	.	.	.

2.2.T4.K1.C	.	.	.	.
2.2.T4.K2.A	.	.	.	.
2.2.T4.K2.B	.	.	.	.
2.2.T4.K2.C	.	.	.	.
2.2.T5.K1.A	.	.	.	.
2.2.T5.K1.B	.	.	.	.
2.2.T5.K1.C	.	.	.	.
2.2.T5.K2.A	.	.	.	.
2.2.T5.K2.B	.	.	.	.
2.2.T5.K2.C	.	.	.	.
2.3.T1.K1.A	23.000	23.000	23.000	.
2.3.T1.K1.B	21.000	21.000	21.000	.
2.3.T1.K1.C	23.000	23.000	23.000	.
2.3.T1.K2.A	21.000	21.000	21.000	.
2.3.T1.K2.B	23.000	23.000	23.000	.
2.3.T1.K2.C	10.000	10.000	10.000	.
2.3.T2.K1.A	13.000	13.000	13.000	.
2.3.T2.K1.B	13.000	13.000	13.000	.
2.3.T2.K1.C	13.000	13.000	13.000	.
2.3.T2.K2.A	13.000	13.000	13.000	.
2.3.T2.K2.B	13.000	13.000	13.000	.
2.3.T2.K2.C	13.000	13.000	13.000	.
2.3.T3.K1.A	13.000	13.000	13.000	.
2.3.T3.K1.B	2.000	2.000	2.000	.
2.3.T3.K1.C	13.000	13.000	13.000	.
2.3.T3.K2.A	8.000	8.000	8.000	.
2.3.T3.K2.B	2.000	2.000	2.000	.
2.3.T3.K2.C	13.000	13.000	13.000	.
2.3.T4.K1.A	14.000	14.000	14.000	.

2.3.T4.K1.B	14.000	14.000	14.000	.
2.3.T4.K1.C	14.000	14.000	14.000	.
2.3.T4.K2.A	12.000	12.000	12.000	.
2.3.T4.K2.B	14.000	14.000	14.000	.
2.3.T4.K2.C	14.000	14.000	14.000	.
2.3.T5.K1.A	5.000	5.000	5.000	.
2.3.T5.K1.B	5.000	5.000	5.000	.
2.3.T5.K1.C	5.000	5.000	5.000	.
2.3.T5.K2.A	5.000	5.000	5.000	.
2.3.T5.K2.B	5.000	5.000	5.000	.
2.3.T5.K2.C	5.000	5.000	5.000	.
3.1.T1.K1.A	18.000	18.000	18.000	.
3.1.T1.K1.B	12.000	12.000	12.000	.
3.1.T1.K1.C	18.000	18.000	18.000	.
3.1.T1.K2.A	8.000	8.000	8.000	.
3.1.T1.K2.B	4.000	4.000	4.000	.
3.1.T1.K2.C	21.000	21.000	21.000	.
3.1.T2.K1.A	7.000	7.000	7.000	.
3.1.T2.K1.B	4.000	4.000	4.000	.
3.1.T2.K1.C	7.000	7.000	7.000	.
3.1.T2.K2.A	4.000	4.000	4.000	.
3.1.T2.K2.B	8.000	8.000	8.000	.
3.1.T2.K2.C	7.000	7.000	7.000	.
3.1.T3.K1.A	21.000	21.000	21.000	.
3.1.T3.K1.B	17.000	17.000	17.000	.
3.1.T3.K1.C	21.000	21.000	21.000	.
3.1.T3.K2.A	13.000	13.000	13.000	.
3.1.T3.K2.B	7.000	7.000	7.000	.
3.1.T3.K2.C	13.000	13.000	13.000	.

3.1.T4.K1.A	13.000	13.000	13.000	.
3.1.T4.K1.B	8.000	8.000	8.000	.
3.1.T4.K1.C	13.000	13.000	13.000	.
3.1.T4.K2.A	12.000	12.000	12.000	.
3.1.T4.K2.B	3.000	3.000	3.000	.
3.1.T4.K2.C	18.000	18.000	18.000	.
3.1.T5.K1.A	3.000	3.000	3.000	.
3.1.T5.K1.B	3.000	3.000	3.000	.
3.1.T5.K1.C	3.000	3.000	3.000	.
3.1.T5.K2.A	3.000	3.000	3.000	.
3.1.T5.K2.B	5.000	5.000	5.000	.
3.1.T5.K2.C	3.000	3.000	3.000	.
3.2.T1.K1.A	9.000	9.000	9.000	.
3.2.T1.K1.B	9.000	9.000	9.000	.
3.2.T1.K1.C	9.000	9.000	9.000	.
3.2.T1.K2.A	8.000	8.000	8.000	.
3.2.T1.K2.B	12.000	12.000	12.000	.
3.2.T1.K2.C	9.000	9.000	9.000	.
3.2.T2.K1.A	3.000	3.000	3.000	.
3.2.T2.K1.B	3.000	3.000	3.000	.
3.2.T2.K1.C	3.000	3.000	3.000	.
3.2.T2.K2.A	3.000	3.000	3.000	.
3.2.T2.K2.B	3.000	3.000	3.000	.
3.2.T2.K2.C	3.000	3.000	3.000	.
3.2.T3.K1.A	14.000	14.000	14.000	.
3.2.T3.K1.B	12.000	12.000	12.000	.
3.2.T3.K1.C	14.000	14.000	14.000	.
3.2.T3.K2.A	12.000	12.000	12.000	.
3.2.T3.K2.B	21.000	21.000	21.000	.

3.2.T3.K2.C	14.000	14.000	14.000	.
3.2.T4.K1.A	12.000	12.000	12.000	.
3.2.T4.K1.B	12.000	12.000	12.000	.
3.2.T4.K1.C	12.000	12.000	12.000	.
3.2.T4.K2.A	12.000	12.000	12.000	.
3.2.T4.K2.B	12.000	12.000	12.000	.
3.2.T4.K2.C	12.000	12.000	12.000	.
3.2.T5.K1.A	3.000	3.000	3.000	.
3.2.T5.K1.B	3.000	3.000	3.000	.
3.2.T5.K1.C	3.000	3.000	3.000	.
3.2.T5.K2.A	3.000	3.000	3.000	.
3.2.T5.K2.B	1.000	1.000	1.000	.
3.2.T5.K2.C	11.000	11.000	11.000	.
3.3.T1.K1.A	.	.	.	.
3.3.T1.K1.B	.	.	.	.
3.3.T1.K1.C	.	.	.	.
3.3.T1.K2.A	.	.	.	.
3.3.T1.K2.B	.	.	.	.
3.3.T1.K2.C	.	.	.	.
3.3.T2.K1.A	.	.	.	.
3.3.T2.K1.B	.	.	.	.
3.3.T2.K1.C	.	.	.	.
3.3.T2.K2.A	.	.	.	.
3.3.T2.K2.B	.	.	.	.
3.3.T2.K2.C	.	.	.	.
3.3.T3.K1.A	.	.	.	.
3.3.T3.K1.B	.	.	.	.
3.3.T3.K1.C	.	.	.	.
3.3.T3.K2.A	.	.	.	.

3.3.T3.K2.B   .   .   .   .

3.3.T3.K2.C   .   .   .   .

3.3.T4.K1.A   .   .   .   .

3.3.T4.K1.B   .   .   .   .

3.3.T4.K1.C   .   .   .   .

3.3.T4.K2.A   .   .   .   .

3.3.T4.K2.B   .   .   .   .

3.3.T4.K2.C   .   .   .   .

3.3.T5.K1.A   .   .   .   .

3.3.T5.K1.B   .   .   .   .

3.3.T5.K1.C   .   .   .   .

3.3.T5.K2.A   .   .   .   .

3.3.T5.K2.B   .   .   .   .

3.3.T5.K2.C   .   .   .   .

---- EQU E4

	LOWER	LEVEL	UPPER	MARGINAL
A.K1	440.000	440.000	440.000	.
A.K2	361.000	361.000	361.000	.
B.K1	358.000	358.000	358.000	.
B.K2	317.000	317.000	317.000	.
C.K1	440.000	440.000	440.000	.
C.K2	327.000	327.000	327.000	.

	LOWER	LEVEL	UPPER	MARGINAL

---- VAR Z   -INF 22322.000   +INF   .

---- VAR X

	LOWER	LEVEL	UPPER	MARGINAL
1.1.K1.A.T1	.	.	100.000	4.000
1.1.K1.A.T2	.	.	100.000	4.000
1.1.K1.A.T3	.	.	100.000	4.000
1.1.K1.A.T4	.	.	100.000	4.000
1.1.K1.A.T5	.	.	100.000	4.000
1.1.K1.B.T1	.	.	100.000	4.000
1.1.K1.B.T2	.	.	100.000	4.000
1.1.K1.B.T3	.	.	100.000	4.000
1.1.K1.B.T4	.	.	100.000	4.000
1.1.K1.B.T5	.	.	100.000	4.000
1.1.K1.C.T1	.	.	100.000	4.000
1.1.K1.C.T2	.	.	100.000	4.000
1.1.K1.C.T3	.	.	100.000	4.000
1.1.K1.C.T4	.	.	100.000	4.000
1.1.K1.C.T5	.	.	100.000	4.000
1.1.K2.A.T1	.	.	100.000	4.000
1.1.K2.A.T2	.	.	100.000	4.000
1.1.K2.A.T3	.	.	100.000	4.000
1.1.K2.A.T4	.	.	100.000	4.000
1.1.K2.A.T5	.	.	100.000	4.000
1.1.K2.B.T1	.	.	100.000	4.000
1.1.K2.B.T2	.	.	100.000	4.000
1.1.K2.B.T3	.	.	100.000	4.000
1.1.K2.B.T4	.	.	100.000	4.000

1.1.K2.B.T5	.	.	100.000	4.000
1.1.K2.C.T1	.	.	100.000	4.000
1.1.K2.C.T2	.	.	100.000	4.000
1.1.K2.C.T3	.	.	100.000	4.000
1.1.K2.C.T4	.	.	100.000	4.000
1.1.K2.C.T5	.	.	100.000	4.000
1.2.K1.A.T1	.	.	100.000	4.000
1.2.K1.A.T2	.	.	100.000	4.000
1.2.K1.A.T3	.	.	100.000	4.000
1.2.K1.A.T4	.	.	100.000	4.000
1.2.K1.A.T5	.	.	100.000	4.000
1.2.K1.B.T1	.	.	100.000	4.000
1.2.K1.B.T2	.	.	100.000	4.000
1.2.K1.B.T3	.	.	100.000	4.000
1.2.K1.B.T4	.	.	100.000	4.000
1.2.K1.B.T5	.	.	100.000	4.000
1.2.K1.C.T1	.	.	100.000	4.000
1.2.K1.C.T2	.	.	100.000	4.000
1.2.K1.C.T3	.	.	100.000	4.000
1.2.K1.C.T4	.	.	100.000	4.000
1.2.K1.C.T5	.	.	100.000	4.000
1.2.K2.A.T1	.	.	100.000	4.000
1.2.K2.A.T2	.	.	100.000	4.000
1.2.K2.A.T3	.	.	100.000	4.000
1.2.K2.A.T4	.	.	100.000	4.000
1.2.K2.A.T5	.	.	100.000	4.000
1.2.K2.B.T1	.	.	100.000	4.000
1.2.K2.B.T2	.	.	100.000	4.000
1.2.K2.B.T3	.	.	100.000	4.000

1.2.K2.B.T4	.	.	100.000	4.000
1.2.K2.B.T5	.	.	100.000	4.000
1.2.K2.C.T1	.	.	100.000	4.000
1.2.K2.C.T2	.	.	100.000	4.000
1.2.K2.C.T3	.	.	100.000	4.000
1.2.K2.C.T4	.	.	100.000	4.000
1.2.K2.C.T5	.	.	100.000	4.000
1.3.K1.A.T1	.	.	100.000	4.000
1.3.K1.A.T2	.	.	100.000	4.000
1.3.K1.A.T3	.	.	100.000	4.000
1.3.K1.A.T4	.	.	100.000	4.000
1.3.K1.A.T5	.	.	100.000	4.000
1.3.K1.B.T1	.	.	100.000	4.000
1.3.K1.B.T2	.	.	100.000	4.000
1.3.K1.B.T3	.	.	100.000	4.000
1.3.K1.B.T4	.	.	100.000	4.000
1.3.K1.B.T5	.	.	100.000	4.000
1.3.K1.C.T1	.	.	100.000	4.000
1.3.K1.C.T2	.	.	100.000	4.000
1.3.K1.C.T3	.	.	100.000	4.000
1.3.K1.C.T4	.	.	100.000	4.000
1.3.K1.C.T5	.	.	100.000	4.000
1.3.K2.A.T1	.	.	100.000	4.000
1.3.K2.A.T2	.	.	100.000	4.000
1.3.K2.A.T3	.	.	100.000	4.000
1.3.K2.A.T4	.	.	100.000	4.000
1.3.K2.A.T5	.	.	100.000	4.000
1.3.K2.B.T1	.	.	100.000	4.000
1.3.K2.B.T2	.	.	100.000	4.000

1.3.K2.B.T3	.	.	100.000	4.000
1.3.K2.B.T4	.	.	100.000	4.000
1.3.K2.B.T5	.	.	100.000	4.000
1.3.K2.C.T1	.	.	100.000	4.000
1.3.K2.C.T2	.	.	100.000	4.000
1.3.K2.C.T3	.	.	100.000	4.000
1.3.K2.C.T4	.	.	100.000	4.000
1.3.K2.C.T5	.	.	100.000	4.000
2.1.K1.A.T1	.	.	100.000	4.000
2.1.K1.A.T2	.	.	100.000	4.000
2.1.K1.A.T3	.	.	100.000	4.000
2.1.K1.A.T4	.	.	100.000	4.000
2.1.K1.A.T5	.	.	100.000	4.000
2.1.K1.B.T1	.	.	100.000	4.000
2.1.K1.B.T2	.	.	100.000	4.000
2.1.K1.B.T3	.	.	100.000	4.000
2.1.K1.B.T4	.	.	100.000	4.000
2.1.K1.B.T5	.	.	100.000	4.000
2.1.K1.C.T1	.	.	100.000	4.000
2.1.K1.C.T2	.	.	100.000	4.000
2.1.K1.C.T3	.	.	100.000	4.000
2.1.K1.C.T4	.	.	100.000	4.000
2.1.K1.C.T5	.	.	100.000	4.000
2.1.K2.A.T1	.	.	100.000	4.000
2.1.K2.A.T2	.	.	100.000	4.000
2.1.K2.A.T3	.	.	100.000	4.000
2.1.K2.A.T4	.	.	100.000	4.000
2.1.K2.A.T5	.	.	100.000	4.000
2.1.K2.B.T1	.	.	100.000	4.000

2.1.K2.B.T2	.	.	100.000	4.000
2.1.K2.B.T3	.	.	100.000	4.000
2.1.K2.B.T4	.	.	100.000	4.000
2.1.K2.B.T5	.	.	100.000	4.000
2.1.K2.C.T1	.	.	100.000	4.000
2.1.K2.C.T2	.	.	100.000	4.000
2.1.K2.C.T3	.	.	100.000	4.000
2.1.K2.C.T4	.	.	100.000	4.000
2.1.K2.C.T5	.	.	100.000	4.000
2.2.K1.A.T1	.	.	100.000	4.000
2.2.K1.A.T2	.	.	100.000	4.000
2.2.K1.A.T3	.	.	100.000	4.000
2.2.K1.A.T4	.	.	100.000	4.000
2.2.K1.A.T5	.	.	100.000	4.000
2.2.K1.B.T1	.	.	100.000	4.000
2.2.K1.B.T2	.	.	100.000	4.000
2.2.K1.B.T3	.	.	100.000	4.000
2.2.K1.B.T4	.	.	100.000	4.000
2.2.K1.B.T5	.	.	100.000	4.000
2.2.K1.C.T1	.	.	100.000	4.000
2.2.K1.C.T2	.	.	100.000	4.000
2.2.K1.C.T3	.	.	100.000	4.000
2.2.K1.C.T4	.	.	100.000	4.000
2.2.K1.C.T5	.	.	100.000	4.000
2.2.K2.A.T1	.	.	100.000	4.000
2.2.K2.A.T2	.	.	100.000	4.000
2.2.K2.A.T3	.	.	100.000	4.000
2.2.K2.A.T4	.	.	100.000	4.000
2.2.K2.A.T5	.	.	100.000	4.000

2.2.K2.B.T1	.	.	100.000	4.000
2.2.K2.B.T2	.	.	100.000	4.000
2.2.K2.B.T3	.	.	100.000	4.000
2.2.K2.B.T4	.	.	100.000	4.000
2.2.K2.B.T5	.	.	100.000	4.000
2.2.K2.C.T1	.	.	100.000	4.000
2.2.K2.C.T2	.	.	100.000	4.000
2.2.K2.C.T3	.	.	100.000	4.000
2.2.K2.C.T4	.	.	100.000	4.000
2.2.K2.C.T5	.	.	100.000	4.000
2.3.K1.A.T1	.	.	100.000	4.000
2.3.K1.A.T2	.	.	100.000	4.000
2.3.K1.A.T3	.	.	100.000	4.000
2.3.K1.A.T4	.	.	100.000	4.000
2.3.K1.A.T5	.	.	100.000	4.000
2.3.K1.B.T1	.	.	100.000	4.000
2.3.K1.B.T2	.	.	100.000	4.000
2.3.K1.B.T3	.	.	100.000	4.000
2.3.K1.B.T4	.	.	100.000	4.000
2.3.K1.B.T5	.	.	100.000	4.000
2.3.K1.C.T1	.	.	100.000	4.000
2.3.K1.C.T2	.	.	100.000	4.000
2.3.K1.C.T3	.	.	100.000	4.000
2.3.K1.C.T4	.	.	100.000	4.000
2.3.K1.C.T5	.	.	100.000	4.000
2.3.K2.A.T1	.	.	100.000	4.000
2.3.K2.A.T2	.	.	100.000	4.000
2.3.K2.A.T3	.	.	100.000	4.000
2.3.K2.A.T4	.	.	100.000	4.000

2.3.K2.A.T5	.	.	100.000	4.000
2.3.K2.B.T1	.	.	100.000	4.000
2.3.K2.B.T2	.	.	100.000	4.000
2.3.K2.B.T3	.	.	100.000	4.000
2.3.K2.B.T4	.	.	100.000	4.000
2.3.K2.B.T5	.	.	100.000	4.000
2.3.K2.C.T1	.	.	100.000	4.000
2.3.K2.C.T2	.	.	100.000	4.000
2.3.K2.C.T3	.	.	100.000	4.000
2.3.K2.C.T4	.	.	100.000	4.000
2.3.K2.C.T5	.	.	100.000	4.000
3.1.K1.A.T1	.	.	100.000	4.000
3.1.K1.A.T2	.	.	100.000	4.000
3.1.K1.A.T3	.	.	100.000	4.000
3.1.K1.A.T4	.	.	100.000	4.000
3.1.K1.A.T5	.	.	100.000	4.000
3.1.K1.B.T1	.	.	100.000	4.000
3.1.K1.B.T2	.	.	100.000	4.000
3.1.K1.B.T3	.	.	100.000	4.000
3.1.K1.B.T4	.	.	100.000	4.000
3.1.K1.B.T5	.	.	100.000	4.000
3.1.K1.C.T1	.	.	100.000	4.000
3.1.K1.C.T2	.	.	100.000	4.000
3.1.K1.C.T3	.	.	100.000	4.000
3.1.K1.C.T4	.	.	100.000	4.000
3.1.K1.C.T5	.	.	100.000	4.000
3.1.K2.A.T1	.	.	100.000	4.000
3.1.K2.A.T2	.	.	100.000	4.000
3.1.K2.A.T3	.	.	100.000	4.000

3.1.K2.A.T4	.	.	100.000	4.000
3.1.K2.A.T5	.	.	100.000	4.000
3.1.K2.B.T1	.	.	100.000	4.000
3.1.K2.B.T2	.	.	100.000	4.000
3.1.K2.B.T3	.	.	100.000	4.000
3.1.K2.B.T4	.	.	100.000	4.000
3.1.K2.B.T5	.	.	100.000	4.000
3.1.K2.C.T1	.	.	100.000	4.000
3.1.K2.C.T2	.	.	100.000	4.000
3.1.K2.C.T3	.	.	100.000	4.000
3.1.K2.C.T4	.	.	100.000	4.000
3.1.K2.C.T5	.	.	100.000	4.000
3.2.K1.A.T1	.	.	100.000	4.000
3.2.K1.A.T2	.	.	100.000	4.000
3.2.K1.A.T3	.	.	100.000	4.000
3.2.K1.A.T4	.	.	100.000	4.000
3.2.K1.A.T5	.	.	100.000	4.000
3.2.K1.B.T1	.	.	100.000	4.000
3.2.K1.B.T2	.	.	100.000	4.000
3.2.K1.B.T3	.	.	100.000	4.000
3.2.K1.B.T4	.	.	100.000	4.000
3.2.K1.B.T5	.	.	100.000	4.000
3.2.K1.C.T1	.	.	100.000	4.000
3.2.K1.C.T2	.	.	100.000	4.000
3.2.K1.C.T3	.	.	100.000	4.000
3.2.K1.C.T4	.	.	100.000	4.000
3.2.K1.C.T5	.	.	100.000	4.000
3.2.K2.A.T1	.	.	100.000	4.000
3.2.K2.A.T2	.	.	100.000	4.000

3.2.K2.A.T3	.	.	100.000	4.000
3.2.K2.A.T4	.	.	100.000	4.000
3.2.K2.A.T5	.	.	100.000	4.000
3.2.K2.B.T1	.	.	100.000	4.000
3.2.K2.B.T2	.	.	100.000	4.000
3.2.K2.B.T3	.	.	100.000	4.000
3.2.K2.B.T4	.	.	100.000	4.000
3.2.K2.B.T5	.	.	100.000	4.000
3.2.K2.C.T1	.	.	100.000	4.000
3.2.K2.C.T2	.	.	100.000	4.000
3.2.K2.C.T3	.	.	100.000	4.000
3.2.K2.C.T4	.	.	100.000	4.000
3.2.K2.C.T5	.	.	100.000	4.000
3.3.K1.A.T1	.	.	100.000	4.000
3.3.K1.A.T2	.	.	100.000	4.000
3.3.K1.A.T3	.	.	100.000	4.000
3.3.K1.A.T4	.	.	100.000	4.000
3.3.K1.A.T5	.	.	100.000	4.000
3.3.K1.B.T1	.	.	100.000	4.000
3.3.K1.B.T2	.	.	100.000	4.000
3.3.K1.B.T3	.	.	100.000	4.000
3.3.K1.B.T4	.	.	100.000	4.000
3.3.K1.B.T5	.	.	100.000	4.000
3.3.K1.C.T1	.	.	100.000	4.000
3.3.K1.C.T2	.	.	100.000	4.000
3.3.K1.C.T3	.	.	100.000	4.000
3.3.K1.C.T4	.	.	100.000	4.000
3.3.K1.C.T5	.	.	100.000	4.000
3.3.K2.A.T1	.	.	100.000	4.000

	LOWER	LEVEL	UPPER	MARGINAL
3.3.K2.A.T2	.	.	100.000	4.000
3.3.K2.A.T3	.	.	100.000	4.000
3.3.K2.A.T4	.	.	100.000	4.000
3.3.K2.A.T5	.	.	100.000	4.000
3.3.K2.B.T1	.	.	100.000	4.000
3.3.K2.B.T2	.	.	100.000	4.000
3.3.K2.B.T3	.	.	100.000	4.000
3.3.K2.B.T4	.	.	100.000	4.000
3.3.K2.B.T5	.	.	100.000	4.000
3.3.K2.C.T1	.	.	100.000	4.000
3.3.K2.C.T2	.	.	100.000	4.000
3.3.K2.C.T3	.	.	100.000	4.000
3.3.K2.C.T4	.	.	100.000	4.000
3.3.K2.C.T5	.	.	100.000	4.000

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	LOWER	LEVEL	UPPER	MARGINAL
K1.A.1.T1	.	.	100.000	EPS
K1.A.1.T2	.	.	100.000	EPS
K1.A.1.T3	.	.	100.000	EPS
K1.A.1.T4	.	.	100.000	EPS
K1.A.1.T5	.	.	100.000	-1.000
K1.A.2.T1	.	.	100.000	EPS
K1.A.2.T2	.	.	100.000	EPS
K1.A.2.T3	.	.	100.000	EPS
K1.A.2.T4	.	.	100.000	EPS
K1.A.2.T5	.	.	100.000	-1.000

K1.A.3.T1	.	.	100.000	EPS
K1.A.3.T2	.	.	100.000	EPS
K1.A.3.T3	.	.	100.000	EPS
K1.A.3.T4	.	.	100.000	EPS
K1.A.3.T5	.	.	100.000	-1.000
K1.B.1.T1	.	.	100.000	EPS
K1.B.1.T2	.	.	100.000	EPS
K1.B.1.T3	.	.	100.000	EPS
K1.B.1.T4	.	.	100.000	EPS
K1.B.1.T5	.	.	100.000	-1.000
K1.B.2.T1	.	.	100.000	EPS
K1.B.2.T2	.	.	100.000	EPS
K1.B.2.T3	.	.	100.000	EPS
K1.B.2.T4	.	.	100.000	EPS
K1.B.2.T5	.	.	100.000	-1.000
K1.B.3.T1	.	.	100.000	EPS
K1.B.3.T2	.	.	100.000	EPS
K1.B.3.T3	.	.	100.000	EPS
K1.B.3.T4	.	.	100.000	EPS
K1.B.3.T5	.	.	100.000	-1.000
K1.C.1.T1	.	.	100.000	EPS
K1.C.1.T2	.	.	100.000	EPS
K1.C.1.T3	.	.	100.000	EPS
K1.C.1.T4	.	.	100.000	EPS
K1.C.1.T5	.	.	100.000	-1.000
K1.C.2.T1	.	.	100.000	EPS
K1.C.2.T2	.	.	100.000	EPS
K1.C.2.T3	.	.	100.000	EPS
K1.C.2.T4	.	.	100.000	EPS

K1.C.2.T5	.	.	100.000	-1.000
K1.C.3.T1	.	.	100.000	EPS
K1.C.3.T2	.	.	100.000	EPS
K1.C.3.T3	.	.	100.000	EPS
K1.C.3.T4	.	.	100.000	EPS
K1.C.3.T5	.	.	100.000	-1.000
K2.A.1.T1	.	.	100.000	EPS
K2.A.1.T2	.	.	100.000	EPS
K2.A.1.T3	.	.	100.000	EPS
K2.A.1.T4	.	.	100.000	EPS
K2.A.1.T5	.	.	100.000	-1.000
K2.A.2.T1	.	.	100.000	EPS
K2.A.2.T2	.	.	100.000	EPS
K2.A.2.T3	.	.	100.000	EPS
K2.A.2.T4	.	.	100.000	EPS
K2.A.2.T5	.	.	100.000	-1.000
K2.A.3.T1	.	.	100.000	EPS
K2.A.3.T2	.	.	100.000	EPS
K2.A.3.T3	.	.	100.000	EPS
K2.A.3.T4	.	.	100.000	EPS
K2.A.3.T5	.	.	100.000	-1.000
K2.B.1.T1	.	.	100.000	EPS
K2.B.1.T2	.	.	100.000	EPS
K2.B.1.T3	.	.	100.000	EPS
K2.B.1.T4	.	.	100.000	EPS
K2.B.1.T5	.	.	100.000	-1.000
K2.B.2.T1	.	.	100.000	EPS
K2.B.2.T2	.	.	100.000	EPS
K2.B.2.T3	.	.	100.000	EPS

	LOWER	LEVEL	UPPER	MARGINAL
K2.B.2.T4	.	.	100.000	EPS
K2.B.2.T5	.	.	100.000	-1.000
K2.B.3.T1	.	.	100.000	EPS
K2.B.3.T2	.	.	100.000	EPS
K2.B.3.T3	.	.	100.000	EPS
K2.B.3.T4	.	.	100.000	EPS
K2.B.3.T5	.	.	100.000	-1.000
K2.C.1.T1	.	.	100.000	EPS
K2.C.1.T2	.	.	100.000	EPS
K2.C.1.T3	.	.	100.000	EPS
K2.C.1.T4	.	.	100.000	EPS
K2.C.1.T5	.	.	100.000	-1.000
K2.C.2.T1	.	.	100.000	EPS
K2.C.2.T2	.	.	100.000	EPS
K2.C.2.T3	.	.	100.000	EPS
K2.C.2.T4	.	.	100.000	EPS
K2.C.2.T5	.	.	100.000	-1.000
K2.C.3.T1	.	.	100.000	EPS
K2.C.3.T2	.	.	100.000	EPS
K2.C.3.T3	.	.	100.000	EPS
K2.C.3.T4	.	.	100.000	EPS
K2.C.3.T5	.	.	100.000	-1.000

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	LOWER	LEVEL	UPPER	MARGINAL
1.1.K1.A.T1	.	.	100.000	2.000
1.1.K1.A.T2	.	.	100.000	2.000

1.1.K1.A.T3	.	.	100.000	2.000
1.1.K1.A.T4	.	.	100.000	2.000
1.1.K1.A.T5	.	.	100.000	8.000
1.1.K1.B.T1	.	.	100.000	2.000
1.1.K1.B.T2	.	.	100.000	2.000
1.1.K1.B.T3	.	.	100.000	2.000
1.1.K1.B.T4	.	.	100.000	2.000
1.1.K1.B.T5	.	.	100.000	8.000
1.1.K1.C.T1	.	.	100.000	2.000
1.1.K1.C.T2	.	.	100.000	2.000
1.1.K1.C.T3	.	.	100.000	2.000
1.1.K1.C.T4	.	.	100.000	2.000
1.1.K1.C.T5	.	.	100.000	8.000
1.1.K2.A.T1	.	.	100.000	2.000
1.1.K2.A.T2	.	.	100.000	2.000
1.1.K2.A.T3	.	.	100.000	2.000
1.1.K2.A.T4	.	.	100.000	2.000
1.1.K2.A.T5	.	.	100.000	8.000
1.1.K2.B.T1	.	.	100.000	2.000
1.1.K2.B.T2	.	.	100.000	2.000
1.1.K2.B.T3	.	.	100.000	2.000
1.1.K2.B.T4	.	.	100.000	2.000
1.1.K2.B.T5	.	.	100.000	8.000
1.1.K2.C.T1	.	.	100.000	2.000
1.1.K2.C.T2	.	.	100.000	2.000
1.1.K2.C.T3	.	.	100.000	2.000
1.1.K2.C.T4	.	.	100.000	2.000
1.1.K2.C.T5	.	.	100.000	8.000
1.2.K1.A.T1	.	.	100.000	2.000

1.2.K1.A.T2	.	21.000	100.000	2.000
1.2.K1.A.T3	.	30.000	100.000	2.000
1.2.K1.A.T4	.	46.000	100.000	2.000
1.2.K1.A.T5	.	55.000	100.000	8.000
1.2.K1.B.T1	.	.	100.000	2.000
1.2.K1.B.T2	.	15.000	100.000	2.000
1.2.K1.B.T3	.	20.000	100.000	2.000
1.2.K1.B.T4	.	29.000	100.000	2.000
1.2.K1.B.T5	.	50.000	100.000	8.000
1.2.K1.C.T1	.	.	100.000	2.000
1.2.K1.C.T2	.	21.000	100.000	2.000
1.2.K1.C.T3	.	11.000	100.000	2.000
1.2.K1.C.T4	.	32.000	100.000	2.000
1.2.K1.C.T5	.	45.000	100.000	8.000
1.2.K2.A.T1	.	.	100.000	2.000
1.2.K2.A.T2	.	5.000	100.000	2.000
1.2.K2.A.T3	.	21.000	100.000	2.000
1.2.K2.A.T4	.	33.000	100.000	2.000
1.2.K2.A.T5	.	.	100.000	8.000
1.2.K2.B.T1	.	.	100.000	2.000
1.2.K2.B.T2	.	7.000	100.000	2.000
1.2.K2.B.T3	.	.	100.000	2.000
1.2.K2.B.T4	.	8.000	100.000	2.000
1.2.K2.B.T5	.	11.000	100.000	8.000
1.2.K2.C.T1	.	.	100.000	2.000
1.2.K2.C.T2	.	8.000	100.000	2.000
1.2.K2.C.T3	.	17.000	100.000	2.000
1.2.K2.C.T4	.	19.000	100.000	2.000
1.2.K2.C.T5	.	35.000	100.000	8.000

1.3.K1.A.T1	.	5.000	100.000	2.000
1.3.K1.A.T2	.	8.000	100.000	2.000
1.3.K1.A.T3	.	29.000	100.000	2.000
1.3.K1.A.T4	.	20.000	100.000	2.000
1.3.K1.A.T5	.	23.000	100.000	8.000
1.3.K1.B.T1	.	12.000	100.000	2.000
1.3.K1.B.T2	.	16.000	100.000	2.000
1.3.K1.B.T3	.	7.000	100.000	2.000
1.3.K1.B.T4	.	3.000	100.000	2.000
1.3.K1.B.T5	.	6.000	100.000	8.000
1.3.K1.C.T1	.	16.000	100.000	2.000
1.3.K1.C.T2	.	.	100.000	2.000
1.3.K1.C.T3	.	9.000	100.000	2.000
1.3.K1.C.T4	.	22.000	100.000	2.000
1.3.K1.C.T5	.	.	100.000	8.000
1.3.K2.A.T1	.	.	100.000	2.000
1.3.K2.A.T2	.	2.000	100.000	2.000
1.3.K2.A.T3	.	.	100.000	2.000
1.3.K2.A.T4	.	.	100.000	2.000
1.3.K2.A.T5	.	3.000	100.000	8.000
1.3.K2.B.T1	.	1.000	100.000	2.000
1.3.K2.B.T2	.	.	100.000	2.000
1.3.K2.B.T3	.	7.000	100.000	2.000
1.3.K2.B.T4	.	5.000	100.000	2.000
1.3.K2.B.T5	.	10.000	100.000	8.000
1.3.K2.C.T1	.	.	100.000	2.000
1.3.K2.C.T2	.	7.000	100.000	2.000
1.3.K2.C.T3	.	14.000	100.000	2.000
1.3.K2.C.T4	.	27.000	100.000	2.000

1.3.K2.C.T5	.	30.000	100.000	8.000
2.1.K1.A.T1	.	.	100.000	2.000
2.1.K1.A.T2	.	11.000	100.000	2.000
2.1.K1.A.T3	.	15.000	100.000	2.000
2.1.K1.A.T4	.	.	100.000	2.000
2.1.K1.A.T5	.	23.000	100.000	8.000
2.1.K1.B.T1	.	.	100.000	2.000
2.1.K1.B.T2	.	.	100.000	2.000
2.1.K1.B.T3	.	6.000	100.000	2.000
2.1.K1.B.T4	.	27.000	100.000	2.000
2.1.K1.B.T5	.	21.000	100.000	8.000
2.1.K1.C.T1	.	.	100.000	2.000
2.1.K1.C.T2	.	11.000	100.000	2.000
2.1.K1.C.T3	.	15.000	100.000	2.000
2.1.K1.C.T4	.	27.000	100.000	2.000
2.1.K1.C.T5	.	27.000	100.000	8.000
2.1.K2.A.T1	.	.	100.000	2.000
2.1.K2.A.T2	.	2.000	100.000	2.000
2.1.K2.A.T3	.	8.000	100.000	2.000
2.1.K2.A.T4	.	20.000	100.000	2.000
2.1.K2.A.T5	.	43.000	100.000	8.000
2.1.K2.B.T1	.	.	100.000	2.000
2.1.K2.B.T2	.	6.000	100.000	2.000
2.1.K2.B.T3	.	10.000	100.000	2.000
2.1.K2.B.T4	.	8.000	100.000	2.000
2.1.K2.B.T5	.	.	100.000	8.000
2.1.K2.C.T1	.	.	100.000	2.000
2.1.K2.C.T2	.	11.000	100.000	2.000
2.1.K2.C.T3	.	15.000	100.000	2.000

2.1.K2.C.T4	.	19.000	100.000	2.000
2.1.K2.C.T5	.	38.000	100.000	8.000
2.2.K1.A.T1	.	.	100.000	2.000
2.2.K1.A.T2	.	.	100.000	2.000
2.2.K1.A.T3	.	.	100.000	2.000
2.2.K1.A.T4	.	.	100.000	2.000
2.2.K1.A.T5	.	.	100.000	8.000
2.2.K1.B.T1	.	.	100.000	2.000
2.2.K1.B.T2	.	.	100.000	2.000
2.2.K1.B.T3	.	.	100.000	2.000
2.2.K1.B.T4	.	.	100.000	2.000
2.2.K1.B.T5	.	.	100.000	8.000
2.2.K1.C.T1	.	.	100.000	2.000
2.2.K1.C.T2	.	.	100.000	2.000
2.2.K1.C.T3	.	.	100.000	2.000
2.2.K1.C.T4	.	.	100.000	2.000
2.2.K1.C.T5	.	.	100.000	8.000
2.2.K2.A.T1	.	.	100.000	2.000
2.2.K2.A.T2	.	.	100.000	2.000
2.2.K2.A.T3	.	.	100.000	2.000
2.2.K2.A.T4	.	.	100.000	2.000
2.2.K2.A.T5	.	.	100.000	8.000
2.2.K2.B.T1	.	.	100.000	2.000
2.2.K2.B.T2	.	.	100.000	2.000
2.2.K2.B.T3	.	.	100.000	2.000
2.2.K2.B.T4	.	.	100.000	2.000
2.2.K2.B.T5	.	.	100.000	8.000
2.2.K2.C.T1	.	.	100.000	2.000
2.2.K2.C.T2	.	.	100.000	2.000

2.2.K2.C.T3	.	.	100.000	2.000
2.2.K2.C.T4	.	.	100.000	2.000
2.2.K2.C.T5	.	.	100.000	8.000
2.3.K1.A.T1	.	9.000	100.000	2.000
2.3.K1.A.T2	.	2.000	100.000	2.000
2.3.K1.A.T3	.	16.000	100.000	2.000
2.3.K1.A.T4	.	24.000	100.000	2.000
2.3.K1.A.T5	.	27.000	100.000	8.000
2.3.K1.B.T1	.	.	100.000	2.000
2.3.K1.B.T2	.	3.000	100.000	2.000
2.3.K1.B.T3	.	6.000	100.000	2.000
2.3.K1.B.T4	.	18.000	100.000	2.000
2.3.K1.B.T5	.	.	100.000	8.000
2.3.K1.C.T1	.	.	100.000	2.000
2.3.K1.C.T2	.	3.000	100.000	2.000
2.3.K1.C.T3	.	5.000	100.000	2.000
2.3.K1.C.T4	.	.	100.000	2.000
2.3.K1.C.T5	.	3.000	100.000	8.000
2.3.K2.A.T1	.	.	100.000	2.000
2.3.K2.A.T2	.	3.000	100.000	2.000
2.3.K2.A.T3	.	7.000	100.000	2.000
2.3.K2.A.T4	.	19.000	100.000	2.000
2.3.K2.A.T5	.	22.000	100.000	8.000
2.3.K2.B.T1	.	12.000	100.000	2.000
2.3.K2.B.T2	.	11.000	100.000	2.000
2.3.K2.B.T3	.	32.000	100.000	2.000
2.3.K2.B.T4	.	38.000	100.000	2.000
2.3.K2.B.T5	.	39.000	100.000	8.000
2.3.K2.C.T1	.	5.000	100.000	2.000

2.3.K2.C.T2	.	8.000	100.000	2.000
2.3.K2.C.T3	.	22.000	100.000	2.000
2.3.K2.C.T4	.	34.000	100.000	2.000
2.3.K2.C.T5	.	7.000	100.000	8.000
3.1.K1.A.T1	.	8.000	100.000	2.000
3.1.K1.A.T2	.	39.000	100.000	2.000
3.1.K1.A.T3	.	59.000	100.000	2.000
3.1.K1.A.T4	.	83.000	100.000	2.000
3.1.K1.A.T5	.	98.000	100.000	8.000
3.1.K1.B.T1	.	8.000	100.000	2.000
3.1.K1.B.T2	.	29.000	100.000	2.000
3.1.K1.B.T3	.	26.000	100.000	2.000
3.1.K1.B.T4	.	28.000	100.000	2.000
3.1.K1.B.T5	.	69.000	100.000	8.000
3.1.K1.C.T1	.	.	100.000	2.000
3.1.K1.C.T2	.	16.000	100.000	2.000
3.1.K1.C.T3	.	35.000	100.000	2.000
3.1.K1.C.T4	.	59.000	100.000	2.000
3.1.K1.C.T5	.	100.000	100.000	8.000
3.1.K2.A.T1	.	.	100.000	2.000
3.1.K2.A.T2	.	15.000	100.000	2.000
3.1.K2.A.T3	.	33.000	100.000	2.000
3.1.K2.A.T4	.	45.000	100.000	2.000
3.1.K2.A.T5	.	75.000	100.000	8.000
3.1.K2.B.T1	.	3.000	100.000	2.000
3.1.K2.B.T2	.	16.000	100.000	2.000
3.1.K2.B.T3	.	47.000	100.000	2.000
3.1.K2.B.T4	.	71.000	100.000	2.000
3.1.K2.B.T5	.	76.000	100.000	8.000

3.1.K2.C.T1	.	10.000	100.000	2.000
3.1.K2.C.T2	.	23.000	100.000	2.000
3.1.K2.C.T3	.	23.000	100.000	2.000
3.1.K2.C.T4	.	35.000	100.000	2.000
3.1.K2.C.T5	.	48.000	100.000	8.000
3.2.K1.A.T1	.	7.000	100.000	2.000
3.2.K1.A.T2	.	20.000	100.000	2.000
3.2.K1.A.T3	.	33.000	100.000	2.000
3.2.K1.A.T4	.	47.000	100.000	2.000
3.2.K1.A.T5	.	35.000	100.000	8.000
3.2.K1.B.T1	.	.	100.000	2.000
3.2.K1.B.T2	.	13.000	100.000	2.000
3.2.K1.B.T3	.	15.000	100.000	2.000
3.2.K1.B.T4	.	15.000	100.000	2.000
3.2.K1.B.T5	.	20.000	100.000	8.000
3.2.K1.C.T1	.	.	100.000	2.000
3.2.K1.C.T2	.	8.000	100.000	2.000
3.2.K1.C.T3	.	21.000	100.000	2.000
3.2.K1.C.T4	.	16.000	100.000	2.000
3.2.K1.C.T5	.	21.000	100.000	8.000
3.2.K2.A.T1	.	10.000	100.000	2.000
3.2.K2.A.T2	.	23.000	100.000	2.000
3.2.K2.A.T3	.	31.000	100.000	2.000
3.2.K2.A.T4	.	43.000	100.000	2.000
3.2.K2.A.T5	.	48.000	100.000	8.000
3.2.K2.B.T1	.	.	100.000	2.000
3.2.K2.B.T2	.	7.000	100.000	2.000
3.2.K2.B.T3	.	9.000	100.000	2.000
3.2.K2.B.T4	.	23.000	100.000	2.000

3.2.K2.B.T5	.	28.000	100.000	8.000
3.2.K2.C.T1	.	10.000	100.000	2.000
3.2.K2.C.T2	.	18.000	100.000	2.000
3.2.K2.C.T3	.	31.000	100.000	2.000
3.2.K2.C.T4	.	37.000	100.000	2.000
3.2.K2.C.T5	.	40.000	100.000	8.000
3.3.K1.A.T1	.	.	100.000	2.000
3.3.K1.A.T2	.	.	100.000	2.000
3.3.K1.A.T3	.	.	100.000	2.000
3.3.K1.A.T4	.	.	100.000	2.000
3.3.K1.A.T5	.	.	100.000	8.000
3.3.K1.B.T1	.	.	100.000	2.000
3.3.K1.B.T2	.	.	100.000	2.000
3.3.K1.B.T3	.	.	100.000	2.000
3.3.K1.B.T4	.	.	100.000	2.000
3.3.K1.B.T5	.	.	100.000	8.000
3.3.K1.C.T1	.	.	100.000	2.000
3.3.K1.C.T2	.	.	100.000	2.000
3.3.K1.C.T3	.	.	100.000	2.000
3.3.K1.C.T4	.	.	100.000	2.000
3.3.K1.C.T5	.	.	100.000	8.000
3.3.K2.A.T1	.	.	100.000	2.000
3.3.K2.A.T2	.	.	100.000	2.000
3.3.K2.A.T3	.	.	100.000	2.000
3.3.K2.A.T4	.	.	100.000	2.000
3.3.K2.A.T5	.	.	100.000	8.000
3.3.K2.B.T1	.	.	100.000	2.000
3.3.K2.B.T2	.	.	100.000	2.000
3.3.K2.B.T3	.	.	100.000	2.000

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3.3.K2.B.T4    .     .    100.000   2.000

3.3.K2.B.T5    .     .    100.000   8.000

3.3.K2.C.T1    .     .    100.000   2.000

3.3.K2.C.T2    .     .    100.000   2.000

3.3.K2.C.T3    .     .    100.000   2.000

3.3.K2.C.T4    .     .    100.000   2.000

3.3.K2.C.T5    .     .    100.000   8.000


---- VAR E


                LOWER    LEVEL    UPPER   MARGINAL


A.A.1.1.K1.T1   .     .    100.000   8.000

A.A.1.1.K1.T2   .     .    100.000   8.000

A.A.1.1.K1.T3   .     .    100.000   8.000

A.A.1.1.K1.T4   .     .    100.000   8.000

A.A.1.1.K1.T5   .     .    100.000   8.000

A.A.1.1.K2.T1   .     .    100.000   8.000

A.A.1.1.K2.T2   .     .    100.000   8.000

A.A.1.1.K2.T3   .     .    100.000   8.000

A.A.1.1.K2.T4   .     .    100.000   8.000

A.A.1.1.K2.T5   .     .    100.000   8.000

A.A.1.2.K1.T1   .   12.000  100.000   8.000

A.A.1.2.K1.T2   .     .    100.000   8.000

A.A.1.2.K1.T3   .     .    100.000   8.000

A.A.1.2.K1.T4   .     .    100.000   8.000

A.A.1.2.K1.T5   .   12.000  100.000   8.000

A.A.1.2.K2.T1   .     .    100.000   8.000

A.A.1.2.K2.T2   .     .    100.000   8.000
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A.A.1.2.K2.T3	.	.	100.000	8.000
A.A.1.2.K2.T4	.	.	100.000	8.000
A.A.1.2.K2.T5	.	32.000	100.000	8.000
A.A.1.3.K1.T1	.	.	100.000	8.000
A.A.1.3.K1.T2	.	.	100.000	8.000
A.A.1.3.K1.T3	.	.	100.000	8.000
A.A.1.3.K1.T4	.	.	100.000	8.000
A.A.1.3.K1.T5	.	.	100.000	8.000
A.A.1.3.K2.T1	.	6.000	100.000	8.000
A.A.1.3.K2.T2	.	.	100.000	8.000
A.A.1.3.K2.T3	.	15.000	100.000	8.000
A.A.1.3.K2.T4	.	.	100.000	8.000
A.A.1.3.K2.T5	.	.	100.000	8.000
A.A.2.1.K1.T1	.	.	100.000	8.000
A.A.2.1.K1.T2	.	.	100.000	8.000
A.A.2.1.K1.T3	.	.	100.000	8.000
A.A.2.1.K1.T4	.	14.000	100.000	8.000
A.A.2.1.K1.T5	.	.	100.000	8.000
A.A.2.1.K2.T1	.	5.000	100.000	8.000
A.A.2.1.K2.T2	.	.	100.000	8.000
A.A.2.1.K2.T3	.	.	100.000	8.000
A.A.2.1.K2.T4	.	.	100.000	8.000
A.A.2.1.K2.T5	.	.	100.000	8.000
A.A.2.2.K1.T1	.	.	100.000	8.000
A.A.2.2.K1.T2	.	.	100.000	8.000
A.A.2.2.K1.T3	.	.	100.000	8.000
A.A.2.2.K1.T4	.	.	100.000	8.000
A.A.2.2.K1.T5	.	.	100.000	8.000
A.A.2.2.K2.T1	.	.	100.000	8.000

A.A.2.2.K2.T2	.	.	100.000	8.000
A.A.2.2.K2.T3	.	.	100.000	8.000
A.A.2.2.K2.T4	.	.	100.000	8.000
A.A.2.2.K2.T5	.	.	100.000	8.000
A.A.2.3.K1.T1	.	.	100.000	8.000
A.A.2.3.K1.T2	.	.	100.000	8.000
A.A.2.3.K1.T3	.	.	100.000	8.000
A.A.2.3.K1.T4	.	4.000	100.000	8.000
A.A.2.3.K1.T5	.	.	100.000	8.000
A.A.2.3.K2.T1	.	.	100.000	8.000
A.A.2.3.K2.T2	.	.	100.000	8.000
A.A.2.3.K2.T3	.	.	100.000	8.000
A.A.2.3.K2.T4	.	.	100.000	8.000
A.A.2.3.K2.T5	.	.	100.000	8.000
A.A.3.1.K1.T1	.	.	100.000	8.000
A.A.3.1.K1.T2	.	.	100.000	8.000
A.A.3.1.K1.T3	.	.	100.000	8.000
A.A.3.1.K1.T4	.	.	100.000	8.000
A.A.3.1.K1.T5	.	8.000	100.000	8.000
A.A.3.1.K2.T1	.	.	100.000	8.000
A.A.3.1.K2.T2	.	.	100.000	8.000
A.A.3.1.K2.T3	.	.	100.000	8.000
A.A.3.1.K2.T4	.	.	100.000	8.000
A.A.3.1.K2.T5	.	11.000	100.000	8.000
A.A.3.2.K1.T1	.	.	100.000	8.000
A.A.3.2.K1.T2	.	.	100.000	8.000
A.A.3.2.K1.T3	.	.	100.000	8.000
A.A.3.2.K1.T4	.	.	100.000	8.000
A.A.3.2.K1.T5	.	.	100.000	8.000

A.A.3.2.K2.T1	.	5.000	100.000	8.000
A.A.3.2.K2.T2	.	.	100.000	8.000
A.A.3.2.K2.T3	.	.	100.000	8.000
A.A.3.2.K2.T4	.	.	100.000	8.000
A.A.3.2.K2.T5	.	.	100.000	8.000
A.A.3.3.K1.T1	.	.	100.000	8.000
A.A.3.3.K1.T2	.	.	100.000	8.000
A.A.3.3.K1.T3	.	.	100.000	8.000
A.A.3.3.K1.T4	.	.	100.000	8.000
A.A.3.3.K1.T5	.	.	100.000	8.000
A.A.3.3.K2.T1	.	.	100.000	8.000
A.A.3.3.K2.T2	.	.	100.000	8.000
A.A.3.3.K2.T3	.	.	100.000	8.000
A.A.3.3.K2.T4	.	.	100.000	8.000
A.A.3.3.K2.T5	.	.	100.000	8.000
A.B.1.1.K1.T1	.	.	100.000	8.000
A.B.1.1.K1.T2	.	.	100.000	8.000
A.B.1.1.K1.T3	.	.	100.000	8.000
A.B.1.1.K1.T4	.	.	100.000	8.000
A.B.1.1.K1.T5	.	.	100.000	8.000
A.B.1.1.K2.T1	.	.	100.000	8.000
A.B.1.1.K2.T2	.	.	100.000	8.000
A.B.1.1.K2.T3	.	.	100.000	8.000
A.B.1.1.K2.T4	.	.	100.000	8.000
A.B.1.1.K2.T5	.	.	100.000	8.000
A.B.1.2.K1.T1	.	6.000	100.000	8.000
A.B.1.2.K1.T2	.	.	100.000	8.000
A.B.1.2.K1.T3	.	.	100.000	8.000
A.B.1.2.K1.T4	.	.	100.000	8.000

A.B.1.2.K1.T5	.	.	100.000	8.000
A.B.1.2.K2.T1	.	.	100.000	8.000
A.B.1.2.K2.T2	.	.	100.000	8.000
A.B.1.2.K2.T3	.	1.000	100.000	8.000
A.B.1.2.K2.T4	.	.	100.000	8.000
A.B.1.2.K2.T5	.	.	100.000	8.000
A.B.1.3.K1.T1	.	.	100.000	8.000
A.B.1.3.K1.T2	.	.	100.000	8.000
A.B.1.3.K1.T3	.	18.000	100.000	8.000
A.B.1.3.K1.T4	.	12.000	100.000	8.000
A.B.1.3.K1.T5	.	.	100.000	8.000
A.B.1.3.K2.T1	.	.	100.000	8.000
A.B.1.3.K2.T2	.	.	100.000	8.000
A.B.1.3.K2.T3	.	.	100.000	8.000
A.B.1.3.K2.T4	.	5.000	100.000	8.000
A.B.1.3.K2.T5	.	.	100.000	8.000
A.B.2.1.K1.T1	.	.	100.000	8.000
A.B.2.1.K1.T2	.	.	100.000	8.000
A.B.2.1.K1.T3	.	.	100.000	8.000
A.B.2.1.K1.T4	.	.	100.000	8.000
A.B.2.1.K1.T5	.	29.000	100.000	8.000
A.B.2.1.K2.T1	.	.	100.000	8.000
A.B.2.1.K2.T2	.	7.000	100.000	8.000
A.B.2.1.K2.T3	.	.	100.000	8.000
A.B.2.1.K2.T4	.	6.000	100.000	8.000
A.B.2.1.K2.T5	.	30.000	100.000	8.000
A.B.2.2.K1.T1	.	.	100.000	8.000
A.B.2.2.K1.T2	.	.	100.000	8.000
A.B.2.2.K1.T3	.	.	100.000	8.000

A.B.2.2.K1.T4	.	.	100.000	8.000
A.B.2.2.K1.T5	.	.	100.000	8.000
A.B.2.2.K2.T1	.	.	100.000	8.000
A.B.2.2.K2.T2	.	.	100.000	8.000
A.B.2.2.K2.T3	.	.	100.000	8.000
A.B.2.2.K2.T4	.	.	100.000	8.000
A.B.2.2.K2.T5	.	.	100.000	8.000
A.B.2.3.K1.T1	.	.	100.000	8.000
A.B.2.3.K1.T2	.	.	100.000	8.000
A.B.2.3.K1.T3	.	.	100.000	8.000
A.B.2.3.K1.T4	.	.	100.000	8.000
A.B.2.3.K1.T5	.	.	100.000	8.000
A.B.2.3.K2.T1	.	.	100.000	8.000
A.B.2.3.K2.T2	.	.	100.000	8.000
A.B.2.3.K2.T3	.	.	100.000	8.000
A.B.2.3.K2.T4	.	.	100.000	8.000
A.B.2.3.K2.T5	.	.	100.000	8.000
A.B.3.1.K1.T1	.	.	100.000	8.000
A.B.3.1.K1.T2	.	.	100.000	8.000
A.B.3.1.K1.T3	.	.	100.000	8.000
A.B.3.1.K1.T4	.	.	100.000	8.000
A.B.3.1.K1.T5	.	.	100.000	8.000
A.B.3.1.K2.T1	.	.	100.000	8.000
A.B.3.1.K2.T2	.	.	100.000	8.000
A.B.3.1.K2.T3	.	.	100.000	8.000
A.B.3.1.K2.T4	.	.	100.000	8.000
A.B.3.1.K2.T5	.	.	100.000	8.000
A.B.3.2.K1.T1	.	1.000	100.000	8.000
A.B.3.2.K1.T2	.	.	100.000	8.000

A.B.3.2.K1.T3	.	.	100.000	8.000
A.B.3.2.K1.T4	.	.	100.000	8.000
A.B.3.2.K1.T5	.	.	100.000	8.000
A.B.3.2.K2.T1	.	.	100.000	8.000
A.B.3.2.K2.T2	.	6.000	100.000	8.000
A.B.3.2.K2.T3	.	.	100.000	8.000
A.B.3.2.K2.T4	.	.	100.000	8.000
A.B.3.2.K2.T5	.	.	100.000	8.000
A.B.3.3.K1.T1	.	.	100.000	8.000
A.B.3.3.K1.T2	.	.	100.000	8.000
A.B.3.3.K1.T3	.	.	100.000	8.000
A.B.3.3.K1.T4	.	.	100.000	8.000
A.B.3.3.K1.T5	.	.	100.000	8.000
A.B.3.3.K2.T1	.	.	100.000	8.000
A.B.3.3.K2.T2	.	.	100.000	8.000
A.B.3.3.K2.T3	.	.	100.000	8.000
A.B.3.3.K2.T4	.	.	100.000	8.000
A.B.3.3.K2.T5	.	.	100.000	8.000
A.C.1.1.K1.T1	.	.	100.000	8.000
A.C.1.1.K1.T2	.	.	100.000	8.000
A.C.1.1.K1.T3	.	.	100.000	8.000
A.C.1.1.K1.T4	.	.	100.000	8.000
A.C.1.1.K1.T5	.	.	100.000	8.000
A.C.1.1.K2.T1	.	.	100.000	8.000
A.C.1.1.K2.T2	.	.	100.000	8.000
A.C.1.1.K2.T3	.	.	100.000	8.000
A.C.1.1.K2.T4	.	.	100.000	8.000
A.C.1.1.K2.T5	.	.	100.000	8.000
A.C.1.2.K1.T1	.	.	100.000	8.000

A.C.1.2.K1.T2	.	.	100.000	8.000
A.C.1.2.K1.T3	.	.	100.000	8.000
A.C.1.2.K1.T4	.	.	100.000	8.000
A.C.1.2.K1.T5	.	.	100.000	8.000
A.C.1.2.K2.T1	.	6.000	100.000	8.000
A.C.1.2.K2.T2	.	13.000	100.000	8.000
A.C.1.2.K2.T3	.	.	100.000	8.000
A.C.1.2.K2.T4	.	.	100.000	8.000
A.C.1.2.K2.T5	.	.	100.000	8.000
A.C.1.3.K1.T1	.	2.000	100.000	8.000
A.C.1.3.K1.T2	.	23.000	100.000	8.000
A.C.1.3.K1.T3	.	.	100.000	8.000
A.C.1.3.K1.T4	.	.	100.000	8.000
A.C.1.3.K1.T5	.	.	100.000	8.000
A.C.1.3.K2.T1	.	.	100.000	8.000
A.C.1.3.K2.T2	.	.	100.000	8.000
A.C.1.3.K2.T3	.	.	100.000	8.000
A.C.1.3.K2.T4	.	.	100.000	8.000
A.C.1.3.K2.T5	.	.	100.000	8.000
A.C.2.1.K1.T1	.	.	100.000	8.000
A.C.2.1.K1.T2	.	.	100.000	8.000
A.C.2.1.K1.T3	.	.	100.000	8.000
A.C.2.1.K1.T4	.	.	100.000	8.000
A.C.2.1.K1.T5	.	.	100.000	8.000
A.C.2.1.K2.T1	.	.	100.000	8.000
A.C.2.1.K2.T2	.	.	100.000	8.000
A.C.2.1.K2.T3	.	.	100.000	8.000
A.C.2.1.K2.T4	.	.	100.000	8.000
A.C.2.1.K2.T5	.	.	100.000	8.000

A.C.2.2.K1.T1	.	.	100.000	8.000
A.C.2.2.K1.T2	.	.	100.000	8.000
A.C.2.2.K1.T3	.	.	100.000	8.000
A.C.2.2.K1.T4	.	.	100.000	8.000
A.C.2.2.K1.T5	.	.	100.000	8.000
A.C.2.2.K2.T1	.	.	100.000	8.000
A.C.2.2.K2.T2	.	.	100.000	8.000
A.C.2.2.K2.T3	.	.	100.000	8.000
A.C.2.2.K2.T4	.	.	100.000	8.000
A.C.2.2.K2.T5	.	.	100.000	8.000
A.C.2.3.K1.T1	.	.	100.000	8.000
A.C.2.3.K1.T2	.	.	100.000	8.000
A.C.2.3.K1.T3	.	.	100.000	8.000
A.C.2.3.K1.T4	.	.	100.000	8.000
A.C.2.3.K1.T5	.	.	100.000	8.000
A.C.2.3.K2.T1	.	3.000	100.000	8.000
A.C.2.3.K2.T2	.	.	100.000	8.000
A.C.2.3.K2.T3	.	.	100.000	8.000
A.C.2.3.K2.T4	.	.	100.000	8.000
A.C.2.3.K2.T5	.	.	100.000	8.000
A.C.3.1.K1.T1	.	.	100.000	8.000
A.C.3.1.K1.T2	.	14.000	100.000	8.000
A.C.3.1.K1.T3	.	5.000	100.000	8.000
A.C.3.1.K1.T4	.	.	100.000	8.000
A.C.3.1.K1.T5	.	.	100.000	8.000
A.C.3.1.K2.T1	.	.	100.000	8.000
A.C.3.1.K2.T2	.	.	100.000	8.000
A.C.3.1.K2.T3	.	.	100.000	8.000
A.C.3.1.K2.T4	.	.	100.000	8.000

A.C.3.1.K2.T5	.	.	100.000	8.000
A.C.3.2.K1.T1	.	23.000	100.000	8.000
A.C.3.2.K1.T2	.	5.000	100.000	8.000
A.C.3.2.K1.T3	.	.	100.000	8.000
A.C.3.2.K1.T4	.	19.000	100.000	8.000
A.C.3.2.K1.T5	.	.	100.000	8.000
A.C.3.2.K2.T1	.	.	100.000	8.000
A.C.3.2.K2.T2	.	.	100.000	8.000
A.C.3.2.K2.T3	.	.	100.000	8.000
A.C.3.2.K2.T4	.	.	100.000	8.000
A.C.3.2.K2.T5	.	.	100.000	8.000
A.C.3.3.K1.T1	.	.	100.000	8.000
A.C.3.3.K1.T2	.	.	100.000	8.000
A.C.3.3.K1.T3	.	.	100.000	8.000
A.C.3.3.K1.T4	.	.	100.000	8.000
A.C.3.3.K1.T5	.	.	100.000	8.000
A.C.3.3.K2.T1	.	.	100.000	8.000
A.C.3.3.K2.T2	.	.	100.000	8.000
A.C.3.3.K2.T3	.	.	100.000	8.000
A.C.3.3.K2.T4	.	.	100.000	8.000
A.C.3.3.K2.T5	.	.	100.000	8.000
B.A.1.1.K1.T1	.	.	100.000	8.000
B.A.1.1.K1.T2	.	.	100.000	8.000
B.A.1.1.K1.T3	.	.	100.000	8.000
B.A.1.1.K1.T4	.	.	100.000	8.000
B.A.1.1.K1.T5	.	.	100.000	8.000
B.A.1.1.K2.T1	.	.	100.000	8.000
B.A.1.1.K2.T2	.	.	100.000	8.000
B.A.1.1.K2.T3	.	.	100.000	8.000

B.A.1.1.K2.T4	.	.	100.000	8.000
B.A.1.1.K2.T5	.	.	100.000	8.000
B.A.1.2.K1.T1	.	.	100.000	8.000
B.A.1.2.K1.T2	.	.	100.000	8.000
B.A.1.2.K1.T3	.	.	100.000	8.000
B.A.1.2.K1.T4	.	.	100.000	8.000
B.A.1.2.K1.T5	.	.	100.000	8.000
B.A.1.2.K2.T1	.	.	100.000	8.000
B.A.1.2.K2.T2	.	9.000	100.000	8.000
B.A.1.2.K2.T3	.	.	100.000	8.000
B.A.1.2.K2.T4	.	.	100.000	8.000
B.A.1.2.K2.T5	.	7.000	100.000	8.000
B.A.1.3.K1.T1	.	.	100.000	8.000
B.A.1.3.K1.T2	.	.	100.000	8.000
B.A.1.3.K1.T3	.	.	100.000	8.000
B.A.1.3.K1.T4	.	22.000	100.000	8.000
B.A.1.3.K1.T5	.	.	100.000	8.000
B.A.1.3.K2.T1	.	2.000	100.000	8.000
B.A.1.3.K2.T2	.	.	100.000	8.000
B.A.1.3.K2.T3	.	.	100.000	8.000
B.A.1.3.K2.T4	.	12.000	100.000	8.000
B.A.1.3.K2.T5	.	.	100.000	8.000
B.A.2.1.K1.T1	.	5.000	100.000	8.000
B.A.2.1.K1.T2	.	.	100.000	8.000
B.A.2.1.K1.T3	.	.	100.000	8.000
B.A.2.1.K1.T4	.	13.000	100.000	8.000
B.A.2.1.K1.T5	.	.	100.000	8.000
B.A.2.1.K2.T1	.	.	100.000	8.000
B.A.2.1.K2.T2	.	6.000	100.000	8.000

B.A.2.1.K2.T3	.	.	100.000	8.000
B.A.2.1.K2.T4	.	.	100.000	8.000
B.A.2.1.K2.T5	.	.	100.000	8.000
B.A.2.2.K1.T1	.	.	100.000	8.000
B.A.2.2.K1.T2	.	.	100.000	8.000
B.A.2.2.K1.T3	.	.	100.000	8.000
B.A.2.2.K1.T4	.	.	100.000	8.000
B.A.2.2.K1.T5	.	.	100.000	8.000
B.A.2.2.K2.T1	.	.	100.000	8.000
B.A.2.2.K2.T2	.	.	100.000	8.000
B.A.2.2.K2.T3	.	.	100.000	8.000
B.A.2.2.K2.T4	.	.	100.000	8.000
B.A.2.2.K2.T5	.	.	100.000	8.000
B.A.2.3.K1.T1	.	.	100.000	8.000
B.A.2.3.K1.T2	.	.	100.000	8.000
B.A.2.3.K1.T3	.	.	100.000	8.000
B.A.2.3.K1.T4	.	.	100.000	8.000
B.A.2.3.K1.T5	.	.	100.000	8.000
B.A.2.3.K2.T1	.	7.000	100.000	8.000
B.A.2.3.K2.T2	.	.	100.000	8.000
B.A.2.3.K2.T3	.	.	100.000	8.000
B.A.2.3.K2.T4	.	.	100.000	8.000
B.A.2.3.K2.T5	.	.	100.000	8.000
B.A.3.1.K1.T1	.	2.000	100.000	8.000
B.A.3.1.K1.T2	.	.	100.000	8.000
B.A.3.1.K1.T3	.	4.000	100.000	8.000
B.A.3.1.K1.T4	.	.	100.000	8.000
B.A.3.1.K1.T5	.	.	100.000	8.000
B.A.3.1.K2.T1	.	.	100.000	8.000

B.A.3.1.K2.T2	.	.	100.000	8.000
B.A.3.1.K2.T3	.	.	100.000	8.000
B.A.3.1.K2.T4	.	.	100.000	8.000
B.A.3.1.K2.T5	.	.	100.000	8.000
B.A.3.2.K1.T1	.	13.000	100.000	8.000
B.A.3.2.K1.T2	.	.	100.000	8.000
B.A.3.2.K1.T3	.	.	100.000	8.000
B.A.3.2.K1.T4	.	.	100.000	8.000
B.A.3.2.K1.T5	.	17.000	100.000	8.000
B.A.3.2.K2.T1	.	6.000	100.000	8.000
B.A.3.2.K2.T2	.	.	100.000	8.000
B.A.3.2.K2.T3	.	.	100.000	8.000
B.A.3.2.K2.T4	.	.	100.000	8.000
B.A.3.2.K2.T5	.	.	100.000	8.000
B.A.3.3.K1.T1	.	.	100.000	8.000
B.A.3.3.K1.T2	.	.	100.000	8.000
B.A.3.3.K1.T3	.	.	100.000	8.000
B.A.3.3.K1.T4	.	.	100.000	8.000
B.A.3.3.K1.T5	.	.	100.000	8.000
B.A.3.3.K2.T1	.	.	100.000	8.000
B.A.3.3.K2.T2	.	.	100.000	8.000
B.A.3.3.K2.T3	.	.	100.000	8.000
B.A.3.3.K2.T4	.	.	100.000	8.000
B.A.3.3.K2.T5	.	.	100.000	8.000
B.B.1.1.K1.T1	.	.	100.000	8.000
B.B.1.1.K1.T2	.	.	100.000	8.000
B.B.1.1.K1.T3	.	.	100.000	8.000
B.B.1.1.K1.T4	.	.	100.000	8.000
B.B.1.1.K1.T5	.	.	100.000	8.000

B.B.1.1.K2.T1	.	.	100.000	8.000
B.B.1.1.K2.T2	.	.	100.000	8.000
B.B.1.1.K2.T3	.	.	100.000	8.000
B.B.1.1.K2.T4	.	.	100.000	8.000
B.B.1.1.K2.T5	.	.	100.000	8.000
B.B.1.2.K1.T1	.	6.000	100.000	8.000
B.B.1.2.K1.T2	.	.	100.000	8.000
B.B.1.2.K1.T3	.	.	100.000	8.000
B.B.1.2.K1.T4	.	.	100.000	8.000
B.B.1.2.K1.T5	.	.	100.000	8.000
B.B.1.2.K2.T1	.	6.000	100.000	8.000
B.B.1.2.K2.T2	.	.	100.000	8.000
B.B.1.2.K2.T3	.	15.000	100.000	8.000
B.B.1.2.K2.T4	.	.	100.000	8.000
B.B.1.2.K2.T5	.	.	100.000	8.000
B.B.1.3.K1.T1	.	.	100.000	8.000
B.B.1.3.K1.T2	.	.	100.000	8.000
B.B.1.3.K1.T3	.	.	100.000	8.000
B.B.1.3.K1.T4	.	.	100.000	8.000
B.B.1.3.K1.T5	.	.	100.000	8.000
B.B.1.3.K2.T1	.	1.000	100.000	8.000
B.B.1.3.K2.T2	.	.	100.000	8.000
B.B.1.3.K2.T3	.	.	100.000	8.000
B.B.1.3.K2.T4	.	.	100.000	8.000
B.B.1.3.K2.T5	.	.	100.000	8.000
B.B.2.1.K1.T1	.	.	100.000	8.000
B.B.2.1.K1.T2	.	.	100.000	8.000
B.B.2.1.K1.T3	.	.	100.000	8.000
B.B.2.1.K1.T4	.	.	100.000	8.000

B.B.2.1.K1.T5	.	.	100.000	8.000
B.B.2.1.K2.T1	.	12.000	100.000	8.000
B.B.2.1.K2.T2	.	.	100.000	8.000
B.B.2.1.K2.T3	.	.	100.000	8.000
B.B.2.1.K2.T4	.	.	100.000	8.000
B.B.2.1.K2.T5	.	.	100.000	8.000
B.B.2.2.K1.T1	.	.	100.000	8.000
B.B.2.2.K1.T2	.	.	100.000	8.000
B.B.2.2.K1.T3	.	.	100.000	8.000
B.B.2.2.K1.T4	.	.	100.000	8.000
B.B.2.2.K1.T5	.	.	100.000	8.000
B.B.2.2.K2.T1	.	.	100.000	8.000
B.B.2.2.K2.T2	.	.	100.000	8.000
B.B.2.2.K2.T3	.	.	100.000	8.000
B.B.2.2.K2.T4	.	.	100.000	8.000
B.B.2.2.K2.T5	.	.	100.000	8.000
B.B.2.3.K1.T1	.	9.000	100.000	8.000
B.B.2.3.K1.T2	.	.	100.000	8.000
B.B.2.3.K1.T3	.	.	100.000	8.000
B.B.2.3.K1.T4	.	.	100.000	8.000
B.B.2.3.K1.T5	.	21.000	100.000	8.000
B.B.2.3.K2.T1	.	.	100.000	8.000
B.B.2.3.K2.T2	.	.	100.000	8.000
B.B.2.3.K2.T3	.	.	100.000	8.000
B.B.2.3.K2.T4	.	6.000	100.000	8.000
B.B.2.3.K2.T5	.	.	100.000	8.000
B.B.3.1.K1.T1	.	.	100.000	8.000
B.B.3.1.K1.T2	.	.	100.000	8.000
B.B.3.1.K1.T3	.	.	100.000	8.000

B.B.3.1.K1.T4	.	.	100.000	8.000
B.B.3.1.K1.T5	.	.	100.000	8.000
B.B.3.1.K2.T1	.	.	100.000	8.000
B.B.3.1.K2.T2	.	.	100.000	8.000
B.B.3.1.K2.T3	.	.	100.000	8.000
B.B.3.1.K2.T4	.	.	100.000	8.000
B.B.3.1.K2.T5	.	16.000	100.000	8.000
B.B.3.2.K1.T1	.	.	100.000	8.000
B.B.3.2.K1.T2	.	.	100.000	8.000
B.B.3.2.K1.T3	.	.	100.000	8.000
B.B.3.2.K1.T4	.	14.000	100.000	8.000
B.B.3.2.K1.T5	.	.	100.000	8.000
B.B.3.2.K2.T1	.	23.000	100.000	8.000
B.B.3.2.K2.T2	.	.	100.000	8.000
B.B.3.2.K2.T3	.	.	100.000	8.000
B.B.3.2.K2.T4	.	.	100.000	8.000
B.B.3.2.K2.T5	.	.	100.000	8.000
B.B.3.3.K1.T1	.	.	100.000	8.000
B.B.3.3.K1.T2	.	.	100.000	8.000
B.B.3.3.K1.T3	.	.	100.000	8.000
B.B.3.3.K1.T4	.	.	100.000	8.000
B.B.3.3.K1.T5	.	.	100.000	8.000
B.B.3.3.K2.T1	.	.	100.000	8.000
B.B.3.3.K2.T2	.	.	100.000	8.000
B.B.3.3.K2.T3	.	.	100.000	8.000
B.B.3.3.K2.T4	.	.	100.000	8.000
B.B.3.3.K2.T5	.	.	100.000	8.000
B.C.1.1.K1.T1	.	.	100.000	8.000
B.C.1.1.K1.T2	.	.	100.000	8.000

B.C.1.1.K1.T3	.	.	100.000	8.000
B.C.1.1.K1.T4	.	.	100.000	8.000
B.C.1.1.K1.T5	.	.	100.000	8.000
B.C.1.1.K2.T1	.	.	100.000	8.000
B.C.1.1.K2.T2	.	.	100.000	8.000
B.C.1.1.K2.T3	.	.	100.000	8.000
B.C.1.1.K2.T4	.	.	100.000	8.000
B.C.1.1.K2.T5	.	.	100.000	8.000
B.C.1.2.K1.T1	.	12.000	100.000	8.000
B.C.1.2.K1.T2	.	.	100.000	8.000
B.C.1.2.K1.T3	.	19.000	100.000	8.000
B.C.1.2.K1.T4	.	.	100.000	8.000
B.C.1.2.K1.T5	.	8.000	100.000	8.000
B.C.1.2.K2.T1	.	.	100.000	8.000
B.C.1.2.K2.T2	.	.	100.000	8.000
B.C.1.2.K2.T3	.	.	100.000	8.000
B.C.1.2.K2.T4	.	.	100.000	8.000
B.C.1.2.K2.T5	.	.	100.000	8.000
B.C.1.3.K1.T1	.	.	100.000	8.000
B.C.1.3.K1.T2	.	.	100.000	8.000
B.C.1.3.K1.T3	.	12.000	100.000	8.000
B.C.1.3.K1.T4	.	.	100.000	8.000
B.C.1.3.K1.T5	.	.	100.000	8.000
B.C.1.3.K2.T1	.	.	100.000	8.000
B.C.1.3.K2.T2	.	.	100.000	8.000
B.C.1.3.K2.T3	.	.	100.000	8.000
B.C.1.3.K2.T4	.	.	100.000	8.000
B.C.1.3.K2.T5	.	.	100.000	8.000
B.C.2.1.K1.T1	.	5.000	100.000	8.000

B.C.2.1.K1.T2	.	.	100.000	8.000
B.C.2.1.K1.T3	.	.	100.000	8.000
B.C.2.1.K1.T4	.	.	100.000	8.000
B.C.2.1.K1.T5	.	.	100.000	8.000
B.C.2.1.K2.T1	.	.	100.000	8.000
B.C.2.1.K2.T2	.	.	100.000	8.000
B.C.2.1.K2.T3	.	.	100.000	8.000
B.C.2.1.K2.T4	.	.	100.000	8.000
B.C.2.1.K2.T5	.	.	100.000	8.000
B.C.2.2.K1.T1	.	.	100.000	8.000
B.C.2.2.K1.T2	.	.	100.000	8.000
B.C.2.2.K1.T3	.	.	100.000	8.000
B.C.2.2.K1.T4	.	.	100.000	8.000
B.C.2.2.K1.T5	.	.	100.000	8.000
B.C.2.2.K2.T1	.	.	100.000	8.000
B.C.2.2.K2.T2	.	.	100.000	8.000
B.C.2.2.K2.T3	.	.	100.000	8.000
B.C.2.2.K2.T4	.	.	100.000	8.000
B.C.2.2.K2.T5	.	.	100.000	8.000
B.C.2.3.K1.T1	.	.	100.000	8.000
B.C.2.3.K1.T2	.	.	100.000	8.000
B.C.2.3.K1.T3	.	12.000	100.000	8.000
B.C.2.3.K1.T4	.	17.000	100.000	8.000
B.C.2.3.K1.T5	.	.	100.000	8.000
B.C.2.3.K2.T1	.	.	100.000	8.000
B.C.2.3.K2.T2	.	.	100.000	8.000
B.C.2.3.K2.T3	.	.	100.000	8.000
B.C.2.3.K2.T4	.	.	100.000	8.000
B.C.2.3.K2.T5	.	38.000	100.000	8.000

B.C.3.1.K1.T1	.	10.000	100.000	8.000
B.C.3.1.K1.T2	.	.	100.000	8.000
B.C.3.1.K1.T3	.	.	100.000	8.000
B.C.3.1.K1.T4	.	.	100.000	8.000
B.C.3.1.K1.T5	.	.	100.000	8.000
B.C.3.1.K2.T1	.	.	100.000	8.000
B.C.3.1.K2.T2	.	.	100.000	8.000
B.C.3.1.K2.T3	.	8.000	100.000	8.000
B.C.3.1.K2.T4	.	.	100.000	8.000
B.C.3.1.K2.T5	.	.	100.000	8.000
B.C.3.2.K1.T1	.	.	100.000	8.000
B.C.3.2.K1.T2	.	.	100.000	8.000
B.C.3.2.K1.T3	.	.	100.000	8.000
B.C.3.2.K1.T4	.	.	100.000	8.000
B.C.3.2.K1.T5	.	.	100.000	8.000
B.C.3.2.K2.T1	.	.	100.000	8.000
B.C.3.2.K2.T2	.	5.000	100.000	8.000
B.C.3.2.K2.T3	.	.	100.000	8.000
B.C.3.2.K2.T4	.	8.000	100.000	8.000
B.C.3.2.K2.T5	.	.	100.000	8.000
B.C.3.3.K1.T1	.	.	100.000	8.000
B.C.3.3.K1.T2	.	.	100.000	8.000
B.C.3.3.K1.T3	.	.	100.000	8.000
B.C.3.3.K1.T4	.	.	100.000	8.000
B.C.3.3.K1.T5	.	.	100.000	8.000
B.C.3.3.K2.T1	.	.	100.000	8.000
B.C.3.3.K2.T2	.	.	100.000	8.000
B.C.3.3.K2.T3	.	.	100.000	8.000
B.C.3.3.K2.T4	.	.	100.000	8.000

B.C.3.3.K2.T5	.	.	100.000	8.000
C.A.1.1.K1.T1	.	.	100.000	8.000
C.A.1.1.K1.T2	.	.	100.000	8.000
C.A.1.1.K1.T3	.	.	100.000	8.000
C.A.1.1.K1.T4	.	.	100.000	8.000
C.A.1.1.K1.T5	.	.	100.000	8.000
C.A.1.1.K2.T1	.	.	100.000	8.000
C.A.1.1.K2.T2	.	.	100.000	8.000
C.A.1.1.K2.T3	.	.	100.000	8.000
C.A.1.1.K2.T4	.	.	100.000	8.000
C.A.1.1.K2.T5	.	.	100.000	8.000
C.A.1.2.K1.T1	.	.	100.000	8.000
C.A.1.2.K1.T2	.	.	100.000	8.000
C.A.1.2.K1.T3	.	.	100.000	8.000
C.A.1.2.K1.T4	.	5.000	100.000	8.000
C.A.1.2.K1.T5	.	.	100.000	8.000
C.A.1.2.K2.T1	.	8.000	100.000	8.000
C.A.1.2.K2.T2	.	.	100.000	8.000
C.A.1.2.K2.T3	.	.	100.000	8.000
C.A.1.2.K2.T4	.	.	100.000	8.000
C.A.1.2.K2.T5	.	15.000	100.000	8.000
C.A.1.3.K1.T1	.	13.000	100.000	8.000
C.A.1.3.K1.T2	.	4.000	100.000	8.000
C.A.1.3.K1.T3	.	.	100.000	8.000
C.A.1.3.K1.T4	.	.	100.000	8.000
C.A.1.3.K1.T5	.	.	100.000	8.000
C.A.1.3.K2.T1	.	.	100.000	8.000
C.A.1.3.K2.T2	.	2.000	100.000	8.000
C.A.1.3.K2.T3	.	.	100.000	8.000

C.A.1.3.K2.T4	.	.	100.000	8.000
C.A.1.3.K2.T5	.	.	100.000	8.000
C.A.2.1.K1.T1	.	.	100.000	8.000
C.A.2.1.K1.T2	.	.	100.000	8.000
C.A.2.1.K1.T3	.	.	100.000	8.000
C.A.2.1.K1.T4	.	.	100.000	8.000
C.A.2.1.K1.T5	.	.	100.000	8.000
C.A.2.1.K2.T1	.	.	100.000	8.000
C.A.2.1.K2.T2	.	3.000	100.000	8.000
C.A.2.1.K2.T3	.	.	100.000	8.000
C.A.2.1.K2.T4	.	.	100.000	8.000
C.A.2.1.K2.T5	.	.	100.000	8.000
C.A.2.2.K1.T1	.	.	100.000	8.000
C.A.2.2.K1.T2	.	.	100.000	8.000
C.A.2.2.K1.T3	.	.	100.000	8.000
C.A.2.2.K1.T4	.	.	100.000	8.000
C.A.2.2.K1.T5	.	.	100.000	8.000
C.A.2.2.K2.T1	.	.	100.000	8.000
C.A.2.2.K2.T2	.	.	100.000	8.000
C.A.2.2.K2.T3	.	.	100.000	8.000
C.A.2.2.K2.T4	.	.	100.000	8.000
C.A.2.2.K2.T5	.	.	100.000	8.000
C.A.2.3.K1.T1	.	.	100.000	8.000
C.A.2.3.K1.T2	.	10.000	100.000	8.000
C.A.2.3.K1.T3	.	.	100.000	8.000
C.A.2.3.K1.T4	.	.	100.000	8.000
C.A.2.3.K1.T5	.	.	100.000	8.000
C.A.2.3.K2.T1	.	1.000	100.000	8.000
C.A.2.3.K2.T2	.	.	100.000	8.000

C.A.2.3.K2.T3	.	8.000	100.000	8.000
C.A.2.3.K2.T4	.	.	100.000	8.000
C.A.2.3.K2.T5	.	.	100.000	8.000
C.A.3.1.K1.T1	.	.	100.000	8.000
C.A.3.1.K1.T2	.	.	100.000	8.000
C.A.3.1.K1.T3	.	.	100.000	8.000
C.A.3.1.K1.T4	.	.	100.000	8.000
C.A.3.1.K1.T5	.	18.000	100.000	8.000
C.A.3.1.K2.T1	.	10.000	100.000	8.000
C.A.3.1.K2.T2	.	.	100.000	8.000
C.A.3.1.K2.T3	.	.	100.000	8.000
C.A.3.1.K2.T4	.	.	100.000	8.000
C.A.3.1.K2.T5	.	.	100.000	8.000
C.A.3.2.K1.T1	.	3.000	100.000	8.000
C.A.3.2.K1.T2	.	.	100.000	8.000
C.A.3.2.K1.T3	.	.	100.000	8.000
C.A.3.2.K1.T4	.	.	100.000	8.000
C.A.3.2.K1.T5	.	.	100.000	8.000
C.A.3.2.K2.T1	.	.	100.000	8.000
C.A.3.2.K2.T2	.	.	100.000	8.000
C.A.3.2.K2.T3	.	.	100.000	8.000
C.A.3.2.K2.T4	.	.	100.000	8.000
C.A.3.2.K2.T5	.	.	100.000	8.000
C.A.3.3.K1.T1	.	.	100.000	8.000
C.A.3.3.K1.T2	.	.	100.000	8.000
C.A.3.3.K1.T3	.	.	100.000	8.000
C.A.3.3.K1.T4	.	.	100.000	8.000
C.A.3.3.K1.T5	.	.	100.000	8.000
C.A.3.3.K2.T1	.	.	100.000	8.000

C.A.3.3.K2.T2	.	.	100.000	8.000
C.A.3.3.K2.T3	.	.	100.000	8.000
C.A.3.3.K2.T4	.	.	100.000	8.000
C.A.3.3.K2.T5	.	.	100.000	8.000
C.B.1.1.K1.T1	.	.	100.000	8.000
C.B.1.1.K1.T2	.	.	100.000	8.000
C.B.1.1.K1.T3	.	.	100.000	8.000
C.B.1.1.K1.T4	.	.	100.000	8.000
C.B.1.1.K1.T5	.	.	100.000	8.000
C.B.1.1.K2.T1	.	.	100.000	8.000
C.B.1.1.K2.T2	.	.	100.000	8.000
C.B.1.1.K2.T3	.	.	100.000	8.000
C.B.1.1.K2.T4	.	.	100.000	8.000
C.B.1.1.K2.T5	.	.	100.000	8.000
C.B.1.2.K1.T1	.	.	100.000	8.000
C.B.1.2.K1.T2	.	.	100.000	8.000
C.B.1.2.K1.T3	.	.	100.000	8.000
C.B.1.2.K1.T4	.	.	100.000	8.000
C.B.1.2.K1.T5	.	.	100.000	8.000
C.B.1.2.K2.T1	.	.	100.000	8.000
C.B.1.2.K2.T2	.	1.000	100.000	8.000
C.B.1.2.K2.T3	.	.	100.000	8.000
C.B.1.2.K2.T4	.	.	100.000	8.000
C.B.1.2.K2.T5	.	.	100.000	8.000
C.B.1.3.K1.T1	.	.	100.000	8.000
C.B.1.3.K1.T2	.	.	100.000	8.000
C.B.1.3.K1.T3	.	8.000	100.000	8.000
C.B.1.3.K1.T4	.	.	100.000	8.000
C.B.1.3.K1.T5	.	.	100.000	8.000

C.B.1.3.K2.T1	.	2.000	100.000	8.000
C.B.1.3.K2.T2	.	9.000	100.000	8.000
C.B.1.3.K2.T3	.	.	100.000	8.000
C.B.1.3.K2.T4	.	.	100.000	8.000
C.B.1.3.K2.T5	.	.	100.000	8.000
C.B.2.1.K1.T1	.	5.000	100.000	8.000
C.B.2.1.K1.T2	.	13.000	100.000	8.000
C.B.2.1.K1.T3	.	.	100.000	8.000
C.B.2.1.K1.T4	.	.	100.000	8.000
C.B.2.1.K1.T5	.	.	100.000	8.000
C.B.2.1.K2.T1	.	.	100.000	8.000
C.B.2.1.K2.T2	.	.	100.000	8.000
C.B.2.1.K2.T3	.	.	100.000	8.000
C.B.2.1.K2.T4	.	.	100.000	8.000
C.B.2.1.K2.T5	.	1.000	100.000	8.000
C.B.2.2.K1.T1	.	.	100.000	8.000
C.B.2.2.K1.T2	.	.	100.000	8.000
C.B.2.2.K1.T3	.	.	100.000	8.000
C.B.2.2.K1.T4	.	.	100.000	8.000
C.B.2.2.K1.T5	.	.	100.000	8.000
C.B.2.2.K2.T1	.	.	100.000	8.000
C.B.2.2.K2.T2	.	.	100.000	8.000
C.B.2.2.K2.T3	.	.	100.000	8.000
C.B.2.2.K2.T4	.	.	100.000	8.000
C.B.2.2.K2.T5	.	.	100.000	8.000
C.B.2.3.K1.T1	.	.	100.000	8.000
C.B.2.3.K1.T2	.	.	100.000	8.000
C.B.2.3.K1.T3	.	9.000	100.000	8.000
C.B.2.3.K1.T4	.	.	100.000	8.000

C.B.2.3.K1.T5	.	.	100.000	8.000
C.B.2.3.K2.T1	.	.	100.000	8.000
C.B.2.3.K2.T2	.	4.000	100.000	8.000
C.B.2.3.K2.T3	.	.	100.000	8.000
C.B.2.3.K2.T4	.	.	100.000	8.000
C.B.2.3.K2.T5	.	.	100.000	8.000
C.B.3.1.K1.T1	.	.	100.000	8.000
C.B.3.1.K1.T2	.	.	100.000	8.000
C.B.3.1.K1.T3	.	21.000	100.000	8.000
C.B.3.1.K1.T4	.	.	100.000	8.000
C.B.3.1.K1.T5	.	.	100.000	8.000
C.B.3.1.K2.T1	.	2.000	100.000	8.000
C.B.3.1.K2.T2	.	.	100.000	8.000
C.B.3.1.K2.T3	.	.	100.000	8.000
C.B.3.1.K2.T4	.	.	100.000	8.000
C.B.3.1.K2.T5	.	.	100.000	8.000
C.B.3.2.K1.T1	.	20.000	100.000	8.000
C.B.3.2.K1.T2	.	.	100.000	8.000
C.B.3.2.K1.T3	.	.	100.000	8.000
C.B.3.2.K1.T4	.	.	100.000	8.000
C.B.3.2.K1.T5	.	.	100.000	8.000
C.B.3.2.K2.T1	.	.	100.000	8.000
C.B.3.2.K2.T2	.	.	100.000	8.000
C.B.3.2.K2.T3	.	.	100.000	8.000
C.B.3.2.K2.T4	.	.	100.000	8.000
C.B.3.2.K2.T5	.	.	100.000	8.000
C.B.3.3.K1.T1	.	.	100.000	8.000
C.B.3.3.K1.T2	.	.	100.000	8.000
C.B.3.3.K1.T3	.	.	100.000	8.000

C.B.3.3.K1.T4	.	.	100.000	8.000
C.B.3.3.K1.T5	.	.	100.000	8.000
C.B.3.3.K2.T1	.	.	100.000	8.000
C.B.3.3.K2.T2	.	.	100.000	8.000
C.B.3.3.K2.T3	.	.	100.000	8.000
C.B.3.3.K2.T4	.	.	100.000	8.000
C.B.3.3.K2.T5	.	.	100.000	8.000
C.C.1.1.K1.T1	.	.	100.000	8.000
C.C.1.1.K1.T2	.	.	100.000	8.000
C.C.1.1.K1.T3	.	.	100.000	8.000
C.C.1.1.K1.T4	.	.	100.000	8.000
C.C.1.1.K1.T5	.	.	100.000	8.000
C.C.1.1.K2.T1	.	.	100.000	8.000
C.C.1.1.K2.T2	.	.	100.000	8.000
C.C.1.1.K2.T3	.	.	100.000	8.000
C.C.1.1.K2.T4	.	.	100.000	8.000
C.C.1.1.K2.T5	.	.	100.000	8.000
C.C.1.2.K1.T1	.	.	100.000	8.000
C.C.1.2.K1.T2	.	.	100.000	8.000
C.C.1.2.K1.T3	.	.	100.000	8.000
C.C.1.2.K1.T4	.	.	100.000	8.000
C.C.1.2.K1.T5	.	.	100.000	8.000
C.C.1.2.K2.T1	.	.	100.000	8.000
C.C.1.2.K2.T2	.	.	100.000	8.000
C.C.1.2.K2.T3	.	.	100.000	8.000
C.C.1.2.K2.T4	.	.	100.000	8.000
C.C.1.2.K2.T5	.	.	100.000	8.000
C.C.1.3.K1.T1	.	.	100.000	8.000
C.C.1.3.K1.T2	.	.	100.000	8.000

C.C.1.3.K1.T3	.	.	100.000	8.000
C.C.1.3.K1.T4	.	.	100.000	8.000
C.C.1.3.K1.T5	.	25.000	100.000	8.000
C.C.1.3.K2.T1	.	21.000	100.000	8.000
C.C.1.3.K2.T2	.	.	100.000	8.000
C.C.1.3.K2.T3	.	6.000	100.000	8.000
C.C.1.3.K2.T4	.	5.000	100.000	8.000
C.C.1.3.K2.T5	.	.	100.000	8.000
C.C.2.1.K1.T1	.	.	100.000	8.000
C.C.2.1.K1.T2	.	.	100.000	8.000
C.C.2.1.K1.T3	.	.	100.000	8.000
C.C.2.1.K1.T4	.	.	100.000	8.000
C.C.2.1.K1.T5	.	23.000	100.000	8.000
C.C.2.1.K2.T1	.	5.000	100.000	8.000
C.C.2.1.K2.T2	.	.	100.000	8.000
C.C.2.1.K2.T3	.	.	100.000	8.000
C.C.2.1.K2.T4	.	8.000	100.000	8.000
C.C.2.1.K2.T5	.	.	100.000	8.000
C.C.2.2.K1.T1	.	.	100.000	8.000
C.C.2.2.K1.T2	.	.	100.000	8.000
C.C.2.2.K1.T3	.	.	100.000	8.000
C.C.2.2.K1.T4	.	.	100.000	8.000
C.C.2.2.K1.T5	.	.	100.000	8.000
C.C.2.2.K2.T1	.	.	100.000	8.000
C.C.2.2.K2.T2	.	.	100.000	8.000
C.C.2.2.K2.T3	.	.	100.000	8.000
C.C.2.2.K2.T4	.	.	100.000	8.000
C.C.2.2.K2.T5	.	.	100.000	8.000
C.C.2.3.K1.T1	.	9.000	100.000	8.000

C.C.2.3.K1.T2	.	.	100.000	8.000
C.C.2.3.K1.T3	.	.	100.000	8.000
C.C.2.3.K1.T4	.	.	100.000	8.000
C.C.2.3.K1.T5	.	.	100.000	8.000
C.C.2.3.K2.T1	.	1.000	100.000	8.000
C.C.2.3.K2.T2	.	.	100.000	8.000
C.C.2.3.K2.T3	.	.	100.000	8.000
C.C.2.3.K2.T4	.	.	100.000	8.000
C.C.2.3.K2.T5	.	.	100.000	8.000
C.C.3.1.K1.T1	.	.	100.000	8.000
C.C.3.1.K1.T2	.	1.000	100.000	8.000
C.C.3.1.K1.T3	.	.	100.000	8.000
C.C.3.1.K1.T4	.	.	100.000	8.000
C.C.3.1.K1.T5	.	.	100.000	8.000
C.C.3.1.K2.T1	.	.	100.000	8.000
C.C.3.1.K2.T2	.	.	100.000	8.000
C.C.3.1.K2.T3	.	.	100.000	8.000
C.C.3.1.K2.T4	.	.	100.000	8.000
C.C.3.1.K2.T5	.	.	100.000	8.000
C.C.3.2.K1.T1	.	.	100.000	8.000
C.C.3.2.K1.T2	.	.	100.000	8.000
C.C.3.2.K1.T3	.	.	100.000	8.000
C.C.3.2.K1.T4	.	.	100.000	8.000
C.C.3.2.K1.T5	.	.	100.000	8.000
C.C.3.2.K2.T1	.	.	100.000	8.000
C.C.3.2.K2.T2	.	.	100.000	8.000
C.C.3.2.K2.T3	.	.	100.000	8.000
C.C.3.2.K2.T4	.	.	100.000	8.000
C.C.3.2.K2.T5	.	2.000	100.000	8.000

C.C.3.3.K1.T1 . . 100.000 8.000

C.C.3.3.K1.T2 . . 100.000 8.000

C.C.3.3.K1.T3 . . 100.000 8.000

C.C.3.3.K1.T4 . . 100.000 8.000

C.C.3.3.K1.T5 . . 100.000 8.000

C.C.3.3.K2.T1 . . 100.000 8.000

C.C.3.3.K2.T2 . . 100.000 8.000

C.C.3.3.K2.T3 . . 100.000 8.000

C.C.3.3.K2.T4 . . 100.000 8.000

C.C.3.3.K2.T5 . . 100.000 8.000

**** REPORT SUMMARY :   0   NONOPT

                0 INFEASIBLE

                0 UNBOUNDED

EXECUTION TIME   =   0.000 SECONDS   2 MB 25.1.2 r67455 WEX-WEI

**** FILE SUMMARY

Input   C:\Users\Arash\Desktop\GC\c3\Model1.gms

Output   C:\Users\Arash\Documents\gamsdir\projdir\Model1.lst