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10 3-D RUEIK
20 MODE 1
40 DEFINT A-Z
50 DIM L(20,24),M(20,24),SC(2),R(6,2)
60 DEF FN1(I)=(PS=0+I OR PS=1+I OR PS=2+I OR
R PS=7+I OR PS=8+I OR PS=9+I OR PS=14+I OR PS=15+I OR PS=16+I)
100 DEF FNL2(I)=(VP=7+I OR VP=8+I OR VP=9+I OR VP=14+I OR VP=15+I OR VP=16+I OR
VP=21+I OR VP=22+I OR VP=23+I)
110 DEF FNL7(P,I)=(P=I OR P=I+7 OR P=I+14)
120 DEF FNL9(I,J)=(PS=I AND VP=J)
130 DEF FNF=(FNL1(0) AND (VP=6 OR VP=13 OR VP=20)) OR (FNL1(1) AND (VP=5 OR VP=12
OR VP=19)) OR (FNL1(2) AND (VP=4 OR VP=11 OR VP=18))
150 DEF FNE=(FNL7(PS,6) OR FNL7(VP,10) OR (FNL7(PS,0) AND (FNL7(VP,4) OR FNL7(V
P,5))) OR (FNL7(PS,1) AND FNL7(VP,4)) OR (PS<0 OR PS>20 OR VP<4 OR VP>24))
160 DEF FNE2=((FNL7(PS,3) OR FNL7(PS,4) OR FNL7(PS,5)) AND FNL7(VP,9)) OR ((FNL
7(PS,4) OR FNL7(PS,5)) AND FNL7(VP,8)) OR FNL7(PS,5) AND FNL7(VP,7))
170 DEF FNX(XX)=(XX<0 OR XX>20)
180 DEF FNY(YY)=(YY<4 OR YY>24)
190 DATA 1,2,1,-1,-1,-2,7,10,7,-7,-7,-14
200 FOR I=1 TO 6:READ P(I,1):READ R(I,2):NEXT I
240 SYMBOL 240,&1,&2,&4,&6,&10,&20,&40,&FF
250 SYMBOL 241,1,2,4,8,16,32,64,128
260 SYMBOL 242,&FF,&0,&0,&0,&0,&0,&0
270 SYMBOL 243,&81,&82,&84,&88,&90,&A0,&C0,&E0
280 SYMBOL 244,&80,&80,&80,&80,&80,&80,&80,&80
290 SYMBOL 245,&FF,&81,&81,&81,&81,&81,&81,&FF
300 SYMBOL 246,&1,&3,&5,&9,&11,&21,&41,&81
310 SYMBOL 247,&82,&83,&85,&89,&91,&A1,&C1,&E1
320 SYMBOL 248,&FF,&FE,&FC,&F8,&F0,&E0,&C0,&80
330 SYMBOL 249,&1,&3,&7,&F,&1F,&3F,&7F,&FF
340 SYMBOL 250,&FF,&FF,&FF,&FF,&FF,&FF,&FF,&FF
350 L$=CHR$(240):D$=CHR$(241):T$=CHR$(242):V$=CHR$(243):U$=CHR$(244):S$=CHR$(245)

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DUS=CHR$(246):VUS=CHR$(247):D1$=CHR$(248):D2$=CHR$(249):F$=CHR$(250)
370 FOR J=4 TO 24:FOR I=3 TO 26:L(I,J)=0:NEXT I:NEXT J
380 BL=0:RD=0:WH=1:YE=2
390 INK BL,0:INK WH,25:INK YE,12:INK RD,6
430 PAPER BL:PEN WH:CLS
440 FOR Y0=3 TO 17 STEP 7
450 FOR X0=0 TO 14 STEP 7
460 GOSUB 840
470 NEXT X0
480 NEXT Y0
490 LOCATE 4,3:CX=4:CY=3
500 T=1:SC(0)=0:SC(2)=0
540 CALL BP81
550 I$=INKEY$:IF I$="" THEN GOTO 550
560 IF I$=" " THEN GOTO 700
570 DX=0:DY=0
580 IF I$=CHR$(240) THEN DY=-1
590 IF I$=CHR$(241) THEN DY=1
600 IF I$=CHR$(242) THEN DX=-1
610 IF I$=CHR$(243) THEN DX=1
620 IF DY=0 AND DY=0 THEN GOTO 550
630 CX=CX+DX:CY=CY+DY
640 IF CX=0 THEN CX=22
650 IF CY=0 THEN CY=24
660 IF CX=23 THEN CX=1
670 IF CY=25 THEN CY=1
680 LOCATE CX,CY
690 GOTO 550
700 PS=CX-1:VP=CY-1
710 IF FNE OR FNE2 THEN SOUND 1,50,30:GOTO 550
720 IF ABS(M(PS,VP))=1 THEN SOUND 1,50,30:GOTO 550
730 T=-T:IF T=-1 THEN PEN RD ELSE PEN YE
740 IF FNF THEN C$=F$:GOSUB 930:GOTO 770
750 IF FNT THEN C$=D2$:GOSUB 930:PS=PS+1:C$=D1$:GOSUB 930:PS=PS-1:GOTO 770
760 C$=D2$:GOSUB 930:VP=VP+1:C$=D1$:GOSUB 930:VP=VP-1:GOTO 770
770 M(PS,VP)=T:CY=4
780 GOSUB 1010:PEN 1+(-T+1)/2:LOCATE 25,10:PRINT F$;
790 PEN RD:LOCATE 22,4:PRINT"ROJO";PEN YE:LOCATE 22,6:PRINT"AMARILLO"
800 PEN RD:LOCATE 25,5:PRINT SC(0);PEN YE:LOCATE 25,7:PRINTSC(2)
810 LOCATE CX,CY
820 GOTO 550
850 LOCATE X0+1,Y0+1:PRINT" "
860 LOCATE X0+1,Y0+2:PRINT" "L$:L$:L$:DU$
870 LOCATE X0+1,Y0+3:PRINT" "L$:L$:L$:D$:V$
880 LOCATE X0+1,Y0+4:PRINTL$:L$:L$:D$:V$:V$
890 LOCATE X0+1,Y0+5:PRINTS$:S$:S$:V$:V$:V$
900 LOCATE X0+1,Y0+6:PRINTS$:S$:S$:V$:V$:V$
910 LOCATE X0+1,Y0+7:PRINTS$:S$:S$:V$:V$:V$
920 RETURN
940 PRINTCHR$(22);CHR$(1);
950 IF L(PS,VP)=0 THEN PAPER BL ELSE PAPER 1+(L(PS,VP)+1)/2
960 LOCATE PS+1,VP+1:PRINTC$;
970 IF L(PS,VP)=0 THEN L(PS,VP)=T
980 PAPER BL
990 PRINTCHR$(22);CHR$(0);
1000 RETURN
1020 FOR J=4 TO 6
1030 GOSUB 1200:GOSUB 1240
1040 NEXT J
1050 IF NOT FNF THEN GOTO 1090
1060 FOR J=1 TO 3
1070 GOSUB 1200:GOSUB 1240
1080 NEXT J
1090 IF NOT FNT THEN GOTO 1140
1100 FOR J=1 TO 3
1110 GOSUB 1200
1120 GOSUB 1200
1130 NEXT J
1140 IF FNF OR FNT OR FNE OR FNE2 THEN GOTO 1190
1150 FOR J=1 TO 3
1160 GOSUB 1200
1170 GOSUB 1240
1180 NEXT J
1190 RETURN
1210 IF FNY(PS+R(J,1)) OR FNY(PS+R(J,2)) THEN GOTO 1230
1220 IF M(PS+R(J,1),VP)=M(PS+R(J,2),VP) AND M(PS+R(J,2),VP)=T THEN SC(T+1)=SC(T)+1:GOSUB 1320
1230 RETURN
1250 IF FNY(VP+R(J,1)) OR FNY(VP+R(J,2)) THEN GOTO 1270
1260 IF M(PS,VP+R(J,1))=M(PS,VP+R(J,2)) AND M(PS,VP+R(J,2))=T THEN SC(T+1)=SC(T)+1:GOSUB 1320
1270 RETURN
1280 IF FNX(PS+R(J,1)) OR FNX(VP+R(J,1)) OR FNX(PS+R(J,2)) OR FNX(VP+R(J,2)) THEN GOTO 1310
1300 IF M(PS+R(J,1),VP-R(J,1))=M(PS+R(J,2),VP-R(J,2)) AND M(PS+R(J,2),VP-R(J,2))=T THEN SC(T+1)=SC(T)+1:GOSUB 1320
1310 RETURN
1330 SOUND 1,100,25
1340 RETURN

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