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10 MODE 1:INK 0,0:INK 1,26:BORDER 0:0
IM x(8),y(8),z(8),i(8),j(8),s%(12),e%(12):ORIGIN 320,200:ang=PI/16:k$="udr
lca"
20 FOR L%=1 TO 8:READ x(L%),y(L%),z(L%):NEXT:FOR L%=1 TO 12:READ s%(L%),e%(L%):NEXT:GOSUB 60:GOSUB 50
30 j$=INKEY$:IF j$="" THEN 30 ELSE a=INSTR(k$,j$):IF a=0 THEN 30 ELSE IF a/2=INT(a/2) THEN d%=1 ELSE d%=-1
40 c=COS(d%*ang):s=SIN(d%*ang):ON ROUND(a/2) GOSUB 70,80,90:GOSUB 60:GOSUB 50:GOTO 30
50 CLS:FOR L%=1 TO 12:MOVE i(s%(L%)),j(s%(L%)):DRAW i(e%(L%)),j(e%(L%)):NEXT:RETURN
60 FOR L%=1 TO 8:i(L%)=x(L%)*1000/(10-z(L%)):j(L%)=y(L%)*1000/(10-z(L%)):NEXT:RETURN
70 FOR L%=1 TO 8:y=y(L%):z=z(L%):y(L%)

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)=y*c-z*s:z(L%)=z*c+y*s:NEXT:RETURN
80 FOR L%=1 TO 8:x=x(L%):z=z(L%):x(L%
)=x*c-z*s:z(L%)=z*c+x*s:NEXT:RETURN
90 FOR L%=1 TO 8:x=x(L%):y=y(L%):x(L%
)=x*c-y*s:y(L%)=y*c+x*s:NEXT:RETURN
100 DATA -1,1,1,1,1,1,1,-1,1,-1,-1,1,
-1,1,-1,1,1,-1,1,-1,-1,-1,-1,-1,1,2,2
,3,3,4,4,1,1,5,2,6,3,7,4,8,5,6,6,7,7,
8,8,5

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