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5  REM TURM VON HANOI
10 OUTCHAR 12
20 FOR X=1 TO 30
30 @ (X)=0
40 NEXT X
50 FOR X=4 TO 30 STEP 4
60 @ (X)=7
70 NEXT X
80 @ (1)=1;@ (5)=2;@ (9)=3
90 @ (13)=4;@ (17)=5;@ (21)=6
100 @ (22)=7;@ (23)=7
110 U=0
220 PRINT;PRINT;PRINT
230 PRINT" T U R M   V O N   H A N O I"
240 PRINT
250 PRINT"      1          2          3"
260 PRINT
280 FOR X=1 TO 24
290 GOTO (@ (X)*10+1000)
300 NEXT X
310 IF @ (3)=1 GOTO 760
320 PRINT"ANZAHL DER VERSUCHE :",U
330 INPUT"TRANSPORT VON PLATZ"A
340 INPUT"      NACH PLATZ"B
350 PRINT;PRINT
400 IF (A-1)>2 GOTO 1100
410 IF (B-1)>2 GOTO 1100
430 C=0;D=0;E=0
440 FOR X=1 TO 24 STEP 4
450 IF @ (X)>0 GOTO 480
460 NEXT X
470 GOTO 490
480 C=X
490 FOR X=2 TO 24 STEP 4
500 IF @ (X)>0 GOTO 530
510 NEXT X
520 GOTO 540
530 D=X
540 FOR X=3 TO 24 STEP 4
550 IF @ (X)>0 GOTO 580
560 NEXT X
570 GOTO 590
580 E=X
590 F=C
600 IF A=1 GOTO 640
610 F=D
620 IF A=2 GOTO 640
630 F=E
640 G=C
650 IF B=1 GOTO 690
660 G=D
670 IF B=2 GOTO 690
680 G=E
690 IF @ (G)<@ (F) GOTO 1100
700 IF G=F GOTO 1100

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