

## The Wizard's Wall

The wall the Wizard built to surround his secret stronghold is no ordinary wall. The stones in it are people, petrified by the Wizard's angry stare, and, what's more, it can move. If you can break a hole through it with your trusty catapults which fling gigantic boulders, you will destroy the Wizard's magic powers and turn the stones back into people again. There are problems though - the Wizard is working on a spell which stops missiles in mid-air and sends them back where they came from. Sometimes he can make it work...

If you don't succeed, you will become just another stone in the Wizard's Wall!!!!

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▲010 CLS
20 PRINT "WIZARD'S WALL"
30 PRINT
40 PRINT "DO YOU WANT ANY HELP?"
50 INPUT I$
*▲060 IF I$(1)="Y" THEN GOSUB 740
70 PRINT "DIFFICULTY?"
80 PRINT "(5=EASY, 1=DIFFICULT)"
90 INPUT Q
100 DIM W(8,8)
110 DIM E(8)
120 FOR Y=1 TO 8
130 FOR X=1 TO 4
*▲140 LET W(X,Y)=20
150 NEXT X
160 NEXT Y
170 LET Z=0
180 FOR C=1 TO 3
190 LET D=INT(RND*80+21)
200 GOSUB 430
210 IF Z=1 THEN GOTO 1150
220 PRINT "YOU ARE ";D;" YARDS AWAY"
*▲230 LET W=INT(RND*41)-20
240 IF W=0 THEN PRINT "NO WIND"
250 IF W<0 THEN PRINT "WIND TO RIGHT"
260 IF W>0 THEN PRINT "WIND TO LEFT":
270 PRINT "GIVE ELEVATION (1-90)"
280 INPUT A
290 PRINT "GIVE SPEED"
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300 INPUT V
310 LET A=A/180*3.1416
320 LET H=TAN(A)*(D-W)-(5*(D-W)^2)/(V*COS(A))^2
330 LET H=INT(H/Q)
340 IF H>0 AND H<9 THEN GOSUB 540
350 IF H<1 THEN PRINT "SHOT WAS TOO NEAR"
360 IF H>8 THEN PRINT "SHOT WAS TOO FAR"
*▲370 IF RND>.2 THEN GOTO 200
380 PRINT "THE WALL HAS MOVED..."
390 NEXT C
400 PRINT "YOU HAVE BEEN TURNED"
410 PRINT "INTO STONE"
420 STOP
*▲430 FOR I=1 TO 30
440 NEXT I
▲450 CLS
460 PRINT
470 FOR Y=8 TO 1 STEP -1
480 FOR X=1 TO 8
*▲490 PRINT CHR$(W(X,Y));
500 NEXT X
510 PRINT
520 NEXT Y
530 RETURN
540 GOSUB 650
550 LET W(E(H)-1,H)=0
560 IF V*COS(A)>50 THEN LET W(E(H)-2,H)=0
*▲570 IF RND>.5 AND H<>1 THEN LET W(E(1),1)=29
*▲580 IF RND>.5 AND H>5 AND H<8 THEN LET
W(E(H+1)-1,H+1)=0
590 IF H>1 THEN GOTO 630
600 FOR Y=2 TO 8
*▲610 IF RND<.5 THEN LET W(E(Y)-1,Y)=0
620 NEXT Y
630 GOSUB 650
640 RETURN
650 FOR Y=1 TO 8
660 LET X=1
670 IF W(X,Y)=0 OR X=8 THEN GOTO 700
680 LET X=X+1
690 GOTO 670
700 LET E(Y)=X
710 IF X=1 THEN LET Z=1
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