Dear Robert,

I just sent you a letter without money in it for material requested. Sorry, (more sorry for me than you though.) Anyway, I hope this envelope has it enclosed. I forget sometimes.

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  5    1        . AMAZED IN SPACE
  6    2        .      BY  AQUILA
 10    3  (10)  NT = Ø; CLEAR
 20    4        BC = Ø; FC = 7
 30    5        INPUT " PATH SIZE ?    (TRY 6→18)          "L; CLEAR
 40    6          X = Ø
 50    7          Y = Ø                              (    NOTE:
                                                     ("*"-MULTIPLY)
100    8  (100) INPUT " HEIGHT  ?" H; @(2) = L*H;  CLEAR
110    9       IF @(2) > 44 PRINT " TOO HIGH !!!"; GOTO 8
200   10  (200) INPUT " WIDTH ?" W; @(1) = L*W; CLEAR
210   11       IF @(1) > 79 PRINT " TOO WIDE !!!; GOTO 10
220   12       INPUT " DEGREE OF DIFICULTY ?
                 PRINT            Ø - EASY
                                  1 - MEDIUM
                                  2 - HARD "R; CLEAR
230   13       FOR A = 1 TO 25
240   14       M = RND (80 - @(1)) + @(1)
250   15       N = RND (44 - @(2)) + @(2)
260   16       BOX  M, (RND (88) - 44) + @(2), 1, 1, 1;
270            BOX (RND (160) - 80) + @(1), N, 1, 1, 1
280   17       BOX - M, - (RND (88) - 44) + @(2), 1, 1, 1;
290            BOX - (RND (160) - 80) + @(1), - N, 1, 1, 1
300   18       NEXT A
310
320   19       BOX - (@(1) + L ÷ 2), @(2) - L ÷ 2, L, L, -2; GOSUB 140
400   20 (300) A = (RND (3) - 2) * L
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410   25          B = ( RND (3) - 2 ) * L
420   30          X = X + A
430   40          IF  X < - @(1)   X = @(1)
440   50          IF  X > @(1)     X = - @(1)
450   55          IF  PX (X,Y) = 1  LINE X, Y, 4
460   60          LINE X, Y, 1
470   70          Y = Y + B
480   80          IF  Y < - @(2)   Y = @(2)
490  500.  90     IF  Y > @(2)    Y = - @(2)
500   95          IF   PX (X,Y) = 1  LINE X, Y, 4
520  100          LINE   X, Y, 1
530  110          IF  TR (1) [ GOTO  240 ]
540  130     [ GOTO  20 ]
600  140 600      LINE  - @(1), @(2), 4
610  150          LINE   @(1), @(2), 1
620  160          LINE   @(1), - @(2) + L, 1
630  170          LINE   @(1), - @(2), 4
640  180          LINE  - @(1), - @(2), 1
650  190          LINE  - @(1), @(2) - L, 1
660  200          LINE  - @(1), @(2), 4
670  210          LINE   X, Y, 4 ; RETURN
700  240 800      B = Ø ;  T = Ø
710. 250          X = - @(1) - 2
720  255          Y = @(2) - (R + 1)
730  260          M = Ø ;  N = Ø
740  262          & (23) = 255
750  265          BC = 0
800  266 800      D = JX (1) ;  E = JY (1)
810  267          M = M + D ;  N = N + E
820  280          X = X + M ;  Y = Y + N
830  290          IF  D # Ø  & (21) = 255
840  300          IF  E # Ø  & (21) = 255
850  310          IF  D = Ø  IF  E = Ø  & (21) = 0
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board

```
860   315        T = T + 1 ; CY = 44 ; PRINT #4, T + B * 5
870   320        BOX  X, Y, 3, 3, 3
880   321        BOX  X - D, Y - E, 1, 1, 3
890        322   BOX  X - D, Y - E, 1, 1, 3
900.5P
910   323        BOX  X, Y, 3, 3, 3
920   325      · IF TR(1) X = 0 ; Y = 0 ; LINE X, Y, 4 ; GOTO 20
930   330        IF PX(X + R, Y + R) = 1   GOTO 350
940   331        IF PX(X + R, Y - R) = 1   GOTO 350
950   332        IF PX(X - R, Y + R) = 1   GOTO 350
960   333        IF PX(X - R, Y - R) = 1   GOTO 350
980   335        IF X > @(1) IF Y < - @(2) + L  &(21) = 0 ;
                    GOTO 500
990   33>        IF X < - @(1) IF Y < @(2) - L  &(21) = 0 ;
                    GOTO 450
990   338        IF X < - @(1) IF Y > @(2)  &(21) = 0
1000.5P
                    GOTO 450
1010  340        GOTO 266
1100  350 1100   &(21) = 0 ; B = B + 1
1110  360        CX = -75 ; CY = 44 ; PRINT B, " CRASH ! "
1120  370        FOR A = 1 TO 25
1130  380        BC = 80 ; NT = 5
1140  390        MU = "4"
1150  400        NEXT A
1160  405        NT = 0
1170  410        GOTO 250
1200  450 1200   NT = 5 ; CY = 44 ; PRINT " OUTER LIMITS -
                    OFF LIMITS" ; NT = 0
1210  460        CY = 44 ; PRINT "  ≪ BLANK  SPACES  ≫
                                            NOTE:
                    "
1220  470        GOTO 250
1300  500 1300   NT = 3
1310  505        CLEAR
1320  510        PRINT " FAR OUT ! ! ! ! !
                    YOU DID IT ! ! ! ! !
                    ONLY ", #3, B, " CRASH(ES) ! ! "
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1330  515      PRINT " TIME =", #5, T + B * 5
1340  520      PRINT "WANT TO TRY AGAIN ??????"
1350  525      NT = Ø ; INPUT "       Ø = NO
                                    1 = YES      " Z
1360  530      IF Z = Ø  GOTO 600
1370  540      IF Z = 1  GOTO 3
1380  590
1400  600 1400 CLEAR
1410  1420 610  B = RND (2)
1430  620      BOX RND (160) - 80, RND (88) - 44, 1, 1, B
1440  630      IF TR (1) GOTO 3
1450  640      BOX Ø, RND (88) - 44, 160, 1, 2
1460  650      GOTO 610
```

COMMENTS: THIS WAS MY FIRST
               TRY AT WRITING A PROGRAM
               ON ANY COMPUTER, SO IF
               YOU SEE THINGS TO IMPROVE,
               PLEASE IMPROVE IT FOR WHATEVER
               REASON.

               YOU COULD GET RID OF PLENTY
               PRINT STUFF AND ALSO THE
               CHANGING STAR PATTERN AT THE END.
               I JUST PUT THOSE IN FOR EFFECT?.

               LINES 13 TO 210 JUST MAKE THE GAME BOARD.
               PULLING THE TRIGGER DURING THE DRAWING
               OF THE MAZE SETS YOUR SPACE-CRAFT
               INTO PLAY. DURING PLAY IF YOU WANT
               TO RESUME DRAWING MORE OF THE MAZE
               JUST PULL THE TRIGGER AGAIN.

AN AREA TO IMPROVE THAT I COULDN'T
FIGUERE (ESP?) OUT WAS THE R VARIABLE.
I TRIED TO SET UP A WAY TO
USE THIS TO CHANGE HOW CLOSE
TO A MAZE WALL I COULD GET
TO REGISTER A CRASH

R CHANGES THE DISTANCE FROM
A DRAWN LINE.

BUT THE WAY I SET UP THE
TEST WAS IN LINES 330 TO 333.
I ONLY ACOMPLISHED PUTTING IN
ANOTHER LINE R DISTANCE AWAY.
I WANTED TO WIDEN THE CRASH AREA.

MAZE WALL →‖¦← NEW WALL WITH R ADDED

(MAYBE YOU COULD DO IT WITH THE SHIPS POSITION SIZE INSTEAD?)

HOW DO I GET THE AREA BETWEEN
THE TWO LINES?

I TRIED $<$, $>$, $>=$, $<=$ AND OTHERS
BUT THE COMPUTER WOULDN'T.
MAYBE THE WAY I DID IT
WASN'T RIGHT FOR BASIC. I'D LIKE
FOR SOMEONE TO GIVE ME A CLUE
CAUSE I'D LIKE TO PUT OTHER
VARIABLES LIKE THIS INTO GRAPHIC GAMES.

P.S. I HOPE THIS PRINTED WRITTEN FORM IS
READABLE, IF NOT, I APOLOGIZE
FOR MY GRADE SCHOOL TEACHERS.
ALSO, THE SPEED THAT THE COMPUTER
DRAWS THE MAZE IS NOT MY FAULT
, I HOPE!

WOULD IT BE POSSIBLE TO
INCLUDE A BLANK PRGM. SHEET
(LIKE IN ONE OF YOUR ~~ISSUES~~)?
FOR OUR DUPLICATION & USE?
IT WOULD HELP MY PROGRAMS TO YOU.

Q: CAN YOU USE BOX, X, Y, A, B, C IN AN IF THEN?
OR LINE X, Y, C
FOR BOUNCE-OFF, TERRITORY, OR OTHER GAME RULES?

(CAN'T THE A, B, C, VARIABLES
BE GOTTEN OUT & USED LATTER?)