

Program Description I

Program Title LABYRINTH.Contributor's Name HORACIO A. NAVARROAddress AMEGHINO 866 1er PISOCity COMODORO RIVADAVIAState ARGENTINAZip Code 9.000

Program Description, Equations, Variables

THE PROGRAM ALLOWS YOU TO CHOOSE THE NUMBER OF TIMES YOU'LL TRY TO PASS THROUGH THE LABYRINTH AND THE SPEED ON WHICH YOU'LL DO IT. YOU CAN BEGIN WITH THE LOWEST SPEED AND, WHEN YOU HAVE SOME PRACTICE, INCREASE IT.

Operating Limits and Warnings

This program has been verified only with respect to the numerical example given in *Program Description II*. User accepts and uses this program material AT HIS OWN RISK, in reliance solely upon his own inspection of the program material and without reliance upon any representation or description concerning the program material.

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Sketch(es)

NO SKETCH

Sample Problem(s)

4 → C ; Low SPEED → fc → 3 ; ENTER SEED : 123456789 → A
↑ ↑
OF TIME CHOSE SPEED

~~|||||~~ → 

~~|||||~~ → 

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~~|||||~~ → 

~~|||||~~

Solution(s)

|||||.1 → 2

|||||.11 → 3

|||.||||| → 9

|||||.||||| → 7 → 0.000000000 (GAME FINISHED)

Reference(s)

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1 **LABYRINTH** 2

F. MAX. SPEED. F. MED. SP. F. LOW SPEED.

SEED NUMBER OF TIMES

[illegible]

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Program Listing I

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STEP	KEY ENTRY	KEY CODE	COMMENTS	STEP	KEY ENTRY	KEY CODE	COMMENTS
001	FLBLA	31 25 11	STORAGE SEED.		HRTN	35 22	CHECK IF THE PROPER KEY NUMBER WAS PUSHED
	DISP 9	23 09			FLBL1	31 25 01	
	STO A	33 11			HRLI	35 34	
	1	01		060	1	01	
	1	01			+	61	
	1	01			22#Y	32 61	
	1	01			GTO2	22 02	
	1	01			1	01	
	1	01			STO+O	33 61 00	
	1	01			RCL O	34 00	
010	1	01	STORAGE DISPLAY FOR GAME		RCL C	34 13	GAME FINISHED
	1	01			22#Y	32 61	
	1	01			GTOO	22 00	
	1	01		070	O	00	
	STO B	33 12			DISP 9	23 09	
	EEX	43			F-X-	31 84	
	1	01			HRTN	35 22	
	STO 1	33 01			FLBL 2	31 25 02	
	EEX	43			GTO 9	22 09	
	2	02			HRTN	35 22	
020	STO 2	33 02	PREPARE REGISTERS		FLBL C	31 25 13	ERROR. STORAGE NUMBER OF TIMES.
	EEX	43			FCL REG	31 43	
	3	03			STOC	34 13	
	STO 3	33 03		080	HRTN	35 22	
	EEX	43			GLBLFa	32 25 11	
	4	04			HCF O	35 61 00	
	STO 4	33 04			HCF I	35 61 01	
	EEX	43			1	01	
	5	05			HRTN	35 22	
	STO 5	33 05			GLBLFb	32 25 12	
030	EEX	43			HST I	35 51 01	MAX. SPEED MED. SPEED
	6	06			HCTO	35 61 00	
	STO 6	33 06			2	02	
	EEX	43		090	HRTN	35 22	
	7	07			GLBLFc	32 25 13	
	STO 7	33 07			HST I	35 51 01	
	EEX	43			HSTO	35 51 00	
	8	08			3	03	
	STO 8	33 08			HRTN	35 22	
	EEX	43			GLBLFe	32 25 15	
040	9	09			RCL A	34 11	RANDOM GENERATOR
	STO 9	33 09			9	09	
	FLBL O	31 25 00			9	09	
	RCL A	34 11		100	7	07	
	GLBLFe	32 22 15			X	71	
	RCL B	34 12			GFRAC	32 83	
	RCL (I)	34 24			STO A	33 11	
	÷	81			99	09	
	HCF 3	35 61 03			X	71	
	H PAUSE	35 72			1	01	
050	H F? 0	35 71 00	PRESENT THE MISSED DIGIT		+	61	
	H PAUSE	35 72			FINT	31 83	
	H F? 1	35 71 01			FRND	31 24	
	H PAUSE	35 72		110	HSTOI	35 33	
	H F? 3	35 71 03			HRTN	35 22	
	GTO 1	22 01					
	GTO 2	22 02					

REGISTERS

REGISTRY									
0- TIMES PLAYED.	1 10	2 10 ²	3 10 ³	4 10 ⁴	5 10 ⁵	6 10 ⁶	7 10 ⁷	8 10 ⁸	9 10 ⁹
S0	S1	S2	S3	S4	S5	S6	S7	S8	S9
A SEED		B 		C NUMBER OF TIMES TO PLAY		D		E I USED	

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Program Listing II

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STEP	KEY ENTRY	KEY CODE	COMMENTS	STEP	KEY ENTRY	KEY CODE	COMMENTS
				170			
120							
				180			
130							
				190			
140							
				200			
150							
				210			
160							
				220			

LABELS

FLAGS

SET STATUS

A	B	C	D	E	F	FLAGS	TRIG	DISP
SEED		NUMBER OF TIMES			0			
a MAX. SPEED	b MED. SPEED	c LOW SPEED	d	e	1	ON OFF		
0	1	2	3	4	2	0 ☐ ☒	DEG ☒	FIX ☒
						1 ☐ ☒	GRAD ☐	SCI ☐
5	6	7	8	9	3	2 ☐ ☒	RAD ☐	ENG ☐
						3 ☐ ☒		n <u>9</u>