

Program Description I

Program Title LABYRINTH.

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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)

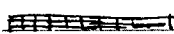
NO SKETCH


Sample Problem(s)


4 → ☐ ; Low SPEED → ☐ _{fc} → 3 ; ENTER SEED: 123456789 → ☐ _A

OF TIME CHOSE SPEED

 → ☒

 → ☒


 → ☒

 → ☒



Solution(s)

 → ☐ ₂

 → ☐ ₃

 → ☐ ₉

 → ☐ ₇ → 0.0000000000 (GAME FINISHED)

Reference(s)

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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			FLBLI	31 25 01	
	STO A	33 11			hRCLI	35 34	
	1	01		060	1	01	
	1	01			+	61	
	1	01			2x#Y	32 61	
	1	01			GTO 2	22 02	
	1	01			1	01	
	1	01			STO + 0	33 61 00	
010	1	01			RCL 0	34 00	
	1	01	STORAGE DISPLAY FOR GAME		RCL C	34 13	GAME FINISHED
	1	01			2x#Y	32 61	
	1	01			GTO 0	22 00	
	STO B	33 12		070	0	00	
	EEX	43			DISP 9	23 09	
	1	01			F-X-	31 84	
	STO 1	33 01			hRTN	35 22	
	EEX	43			FLBL 2	31 25 02	
	2	02			GTO 9	22 09	
020	STO 2	33 02			hRTN	35 22	
	EEX	43	PREPARE REGISTERS		FLBL C	31 25 13	ERROR. STORAGE NUMBER OF TIMES.
	3	03			FCL REG	31 43	
	STO 3	33 03			STOC	34 13	
	EEX	43		080	hRTN	35 22	
	4	04			GLBLFa	32 25 11	
	STO 4	33 04			hCFO	35 61 00	
	EEX	43			hCFI	35 61 01	
	5	05			1	01	
	STO 5	33 05			hRTN	35 22	
030	EEX	43			GLBLFb	32 25 12	
	6	06	PRESENT THE MISSED DIGIT		hSFI	35 51 01	MAX. SPEED
	STO 6	33 06			hCFO	35 61 00	
	EEX	43			2	02	
	7	07		090	hRTN	35 22	
	STO 7	33 07			GLBLFc	32 25 13	
	EEX	43			hSFI	35 51 01	
	8	08			hSFO	35 51 00	
	STO 8	33 08			3	03	
	EEX	43			hRTN	35 22	
040	9	09			GLBLFe	32 25 15	
	STO 9	33 09	RANDOM GENERATOR		RCL A	34 11	
	FLBL 0	31 25 00			9	09	
	RCL A	34 11			9	09	
	GLBLFe	32 22 15		100	7	07	
	RCL B	34 12			X	71	
	RCL (i)	34 24			2 FRAC	32 83	
	÷	81			STO A	33 11	
	hCF 3	35 61 03			09	09	
	hPAUSE	35 72			X	71	
050	hF? 0	35 71 00			1	01	
	hPAUSE	35 72			+	61	
	hF? 1	35 71 01			FINT	31 83	
	hPAUSE	35 72			FRND	31 24	
	hF? 3	35 71 03		110	hSTOI	35 33	
	GTO 1	22 01			hRTN	35 22	
	GTO 2	22 02					

REGISTERS

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

STEP	KEY ENTRY	KEY CODE
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COMMENTS

STEP

KEY ENTRY

KEY CODE

COMMENTS

[illegible]

LABELS					FLAGS	SET STATUS			
A	B	C NUMBER OF TIMES	D	E	0	FLAGS		TRIG	DISP
SEED						ON OFF			
a MAX. SPEED	b MED. SPEED	c LOW SPEED	d	e	1	0 <input type="checkbox"/> <input checked="" type="checkbox"/>	DEG <input checked="" type="checkbox"/>	FIX <input checked="" type="checkbox"/>	
						1 <input type="checkbox"/> <input checked="" type="checkbox"/>	GRAD <input type="checkbox"/>	SCI <input type="checkbox"/>	
0	1	2	3	4	2	2 <input type="checkbox"/> <input checked="" type="checkbox"/>	RAD <input type="checkbox"/>	ENG <input type="checkbox"/>	
5	6	7	8	9	3	3 <input type="checkbox"/> <input checked="" type="checkbox"/>		n <u>9</u>	