

Program Title LOSE THREE

Contributor's Name LARS-ERIK SVAHN

Address KORINTV. 6

City FARSTA Country SWEDEN Postal Code 12356

Program Description, Equations, Variables A GAME BETWEEN YOU AND THE PROGRAM
EACH OF YOU BEGIN WITH 3 STICKS. BOTH YOU AND THE PROGRAM
SELECT A NUMBER OF THE STICKS YOU GOT, IN SECRET.
YOU BEGIN WITH A GUESS OF THE SUM OF THE TWO
SELECTED NUMBERS. AFTER THAT THE PROGRAM WILL GUESS.
YOUR GUESS IS NOT A SECRET, AND PROGRAM IS NOT
ALOUND TO GUESS THE SAME NUMBER. LEAST DIFFERENCE
BETWEEN GUESS'D SUM AND THE CORRECT SUM WIN THE
FIRST SECTION OF THE GAME. IF YOU LOSE, YOU LOSE ONE OF
YOUR STICKS (EG. POSSIBILITY OF CHOISE). IF YOU LOST
ALL YOUR STICK, YOU HAVE LOST THE WHOLE GAME.
THE WINNER OF A SECTION, BEGIN THE NEXT SECTION.
IF DRAWN, THE ORDER IS CHANGED.

CORRECT SUM 1. ***

YOUR GUESS 0.700 ***

PROGRAMS GUESS 1.721 ***

YOUR STICKS 2.112 ***

PROGRAMS STICKS 3.122 ***

Operating Limits and Warnings IF YOU OR PROGRAM
GUESS ZERO, THE LABEL-EXPONENT
COLLAPS. SEE ABOVE!

3. ***

2.111 ***

3.121 ***

1.112 ***

3.122 ***

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.

NEITHER HP NOR THE CONTRIBUTOR MAKES ANY EXPRESS OR IMPLIED WARRANTY OF ANY KIND WITH REGARD TO THIS PROGRAM MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NEITHER HP NOR THE CONTRIBUTOR SHALL BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING OUT OF THE FURNISHING, USE OR PERFORMANCE OF THIS PROGRAM MATERIAL.

[illegible]

Sample Problem(s)

I SELECTED 1 AND GUESSED 3

THE PROGRAM OBVIOUSLY SELECTED 1 AND GUESSED 2, AND WON!

-2- ***

3. + 11 ***

-2, +21- -***

I LOST 1

2. + 12 ***

3. +22. 米米米

8. ***

I SELECTED 0 AND GUESSED 1

PROGR. SELECTED 0 AND GUESSED 2
I WON

—1-11-22

2. +21 ***

-2. +12***

PROGR. LOST 1

2. +22 ***

I SELECTED 0, GUESSED 2

E. J. Meehan

-2.411 - 444

9. 50 米

Solution(s)

PROGR. SELECTED 0 AND GUESSED 0

PROGR. WON

-4-12- 結束

2. +22 米

SELECTED 0, GUESSED 0

1. ***

PRGM SELECTED 1, AND GUESSED 1

6. 20 11:11

1. +21 ***

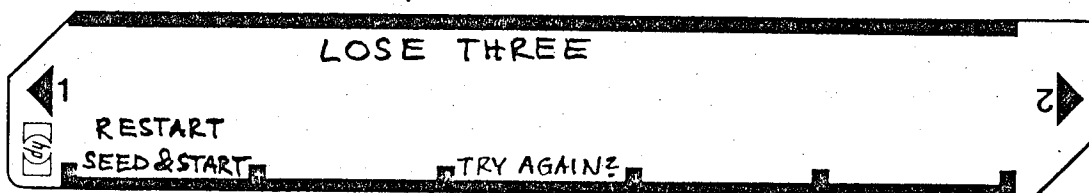
NO STICKS LEFT FOR ME!

B. + CC 4:44

I ~~KEY~~ HAVE LOST.

2. +22 ***

Reference(s)

[illegible]



50536

Program Listing I

Page 4 of 5

STEP	KEY ENTRY	KEY CODE	COMMENTS	STEP	KEY ENTRY	KEY CODE	COMMENTS
001	*LELH	21 11		057	GT08	22 08	
002	ST08	35 08		058	X=Y?	16-33	DRAWN?
003	SDI	-12		059	ST06	22 06	
004	DSF0	-63 00		060	SF0	16 21 00	
005	3	33		061	1	01	YOU WON!
006	ST01	35 01		062	ST-2	35-45 02	
007	ST02	35 02		063	GT07	22 07	
008	SF0	16 21 00	(YOU BEGIN)	064	*LBL8	21 08	
009	*LEL0	21 00		065	CF0	16 22 00	
010	SFC	16-11		066	1	01	PROGRAM WON!
011	G3B6	33 12		067	ST-1	35-45 01	
012	RCL2	36 02		068	GT07	22 07	
013	1	01		069	*LBL6	21 06	CHANGE ORDER, IF DRAWN.
014	+	-55		070	F0?	16 23 00	
015	X	-35		071	SF1	16 21 01	
016	INT	16 34		072	SF0	16 21 00	
017	ST04	35 04		073	F1?	16 23 01	
018	*LBL0	21 16 11		074	CF0	16 22 00	
019	CLX	-51		075	CF1	16 22 01	
020	EEX	-23		076	*LEL7	21 07	PRT RESULTS
021	1	01		077	SCI	-12	
022	1	01		078	SPC	16-11	
023	PSE	16 51		079	RCL5	36 05	
024	ST03	35 03		080	EEX	-23	
025	RCL1	36 01		081	1	01	
026	X>Y?	-41		082	1	01	
027	X>Y?	16-34		083	X	-35	
028	GT00	22 16 11		084	PRTX	-14	
029	CLX	-51		085	RCL6	36 06	
030	F0?	16 23 00		086	EEX	-23	
031	G3B1	23 01		087	2	02	
032	G3B2	23 02		088	1	01	
033	F0?	16 23 00	WHO BEGIN?	089	X	-35	
034	GT03	22 03		090	PRTX	-14	
035	RCL6	36 06		091	SPC	16-11	
036	FSE	16 51		092	RCL1	36 01	
037	PSE	16 51		093	EEX	-23	
038	G3B1	23 01		094	1	01	
039	*LBL3	21 03		095	2	02	
040	RCL3	36 03		096	X	-35	
041	RCL4	36 04		097	PRTX	-14	
042	+	-55		098	RCL2	36 02	
043	ST0A	35 11		099	EEX	-23	
044	FIX	-11		100	2	02	
045	PRTX	-14		101	2	02	
046	RCL5	36 05		102	X	-35	
047	-	-45		103	PRTX	-14	
048	ABS	16 31		104	SPC	16-11	
049	ST07	35 07		105	RCL1	36 01	
050	RCL4	36 11		106	RCL2	36 02	
051	RCL6	36 06		107	X	-35	
052	-	-45		108	X=0?	16-43	
053	ABS	16 31		109	RTH	-24	
054	ST08	35 08		110	GT00	22 00	
055	RCL7	36 07		111	*LBL1	21 01	YOUR GUESS
056	X>Y?	16-34		112	EEX	-23	

REGISTERS

0 RANDOM NUMBER	1 YOUR STICKS	2 PROGRAM STICKS	3 YOUR CHOICE	4 PROGRAM CHOICE#	5 YOUR GUESS	6 PROGRAMS GUESS	7 YOUR DIFFERENCE	8 PROGRAMS DIFFERENCE	9
S0	S1	S2	S3	S4	S5	S6	S7	S8	S9
A	USED	B	USED	C	D	E	I		



50536

Program Listing II

Page 5 of 5

STEP	KEY ENTRY	KEY CODE	COMMENTS	STEP	KEY ENTRY	KEY CODE	COMMENTS
113	1	01		169	*LBLc 21 16 13		
114	2	02		170	RCL5	36 05	
115	F3E	16 51		171	-	-45	
116	ST05	35 05		172	X=0?	16-43	
117	RCL1	36 01		173	GT02	22 02	
118	RCL2	36 02		174	RCL6	36 06	
119	+	-55		175	PSE	16 51	
120	XZY	-41		176	FSE	16 51	
121	XZY?	16-34		177	RTN	24	
122	GT01	22 01		178	*LBLb 21 16 12		
123	F0?	16 23 00		179	XZY	-41	
124	RTN	24		180	-	-45	
125	RCL6	36 06		181	ST0B	35 12	
126	-	-45		182	GSBB	23 12	
127	X=0?	16-43		183	RCLA	36 11	
128	GT01	22 01		184	RCLB	36 12	
129	RTN	24		185	-	-45	
130	*LBL2	21 02	PROGRAM GUESSES BEFORE YOU	186	1	01	
131	F0?	16 23 00		187	+	-55	
132	GT04	22 04		188	X	-35	
133	GSBB	23 12		189	INT	16 34	
134	RCL1	36 01		190	RCLB	36 12	
135	1	01		191	+	-55	
136	+	-55		192	RCL4	36 04	
137	X	-35		193	+	-55	
138	INT	16 34		194	ST06	35 06	
139	RCL4	36 04		195	GT0c 22 16 13		
140	+	-55		196	*LBLB	21 12	PSEUDORANDOM GENERATOR
141	ST06	35 06		197	RCL0	36 00	
142	X=0?	16-43		198	1	01	
143	GT02	22 02		199	3	03	
144	RCL2	36 02		200	7	07	
145	XZY	-41		201	X	-35	
146	XZY?	16-34		202	FRC	16 44	
147	GT02	22 02		203	ST00	35 00	
148	RCL6	36 06		204	RTN	24	
149	RTN	24		205	*LBLC	21 13	RECALL LAST PSEUDORANDOM- NUMBER FOR A NEW TRY.
150	*LBL4	21 04	PROGRAM GUESSES AFTER YOU	206	RCL0	36 00	
151	RCL1	36 01		207	GT0A	22 11	
152	RCL5	36 05		208	RTN	24	
153	XZY?	16-34		209	R/S	51	
154	RCL1	36 01					
155	ST0A	35 11					
156	RCL2	36 02					
157	RCL5	36 05					
158	XZY?	16-34					
159	GT0b 22 16 12						
160	GSBB	23 12					
161	RCLA	36 11					
162	1	01					
163	+	-55					
164	X	-35					
165	INT	16 34					
166	RCL4	36 04					
167	+	-55					
168	ST06	35 06					

LABELS			FLAGS		SET STATUS		
A START	B PSEUDORANDOM NUMBERS	C	D	E	0 WHO BEGIN?	FLAGS	TRIG DISP
a USED	b USED	c USED	d	e	1 CHANGE ORDER	ON OFF	
0 USED	1 YOUR GUESS	2 PROGRAM GUESSES	3 USED	4 USED	2	0 ☒ ☐	DEG ☒ FIX ☐
5	6	7	8	9	3	1 ☒ ☐	GRAD ☐ SCI ☒
						2 ☐ ☒	RAD ☐ ENG ☐
						3 ☐ ☐	