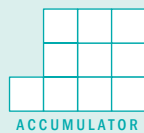
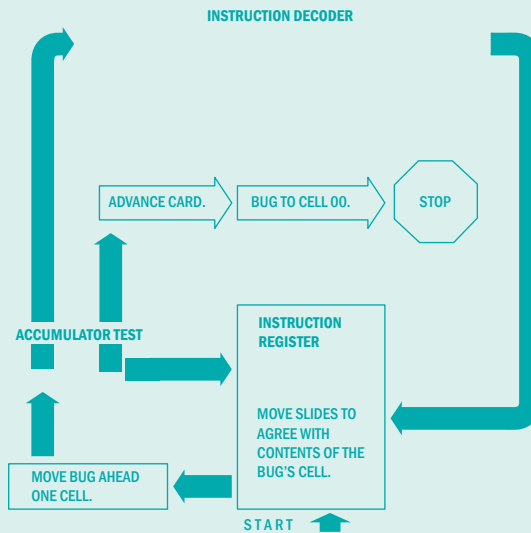


1966, 1968 Bell Telephone Laboratories, Incorporated

Code	Abbr.	Meaning
0	INP	Input
1	CLA	Clear and Add
2	ADD	Add
3	TAC	Test Accumulator contents
4	SFT	Shift
5	OUT	Output
6	STO	Store
7	SUB	Subtract
8	JMP	Jump
9	HRS	Halt and reset



INPUT ↓



"cardiac" developed by David Hagelbarger

	25
	24
817	23
817	22
024	21
604	20
023	19
106	18
022	17
605	16
021	15
204	14
020	13
606	12
019	11
105	10
018	9
504	8
017	7
001	6
005	5
000	4
004	3
800	2
002	1



M E M O R Y C E L L S

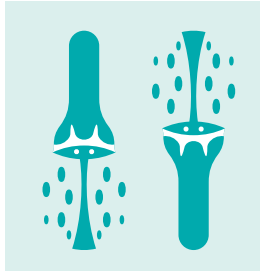
CELL NO.	CONTENTS	CELL NO.	CONTENTS	CELL NO.	CONTENTS	CELL NO.	CONTENTS	CELL NO.	CONTENTS
00	001	17		34		51		68	85
01		18		35		52		69	86
02		19		36		53		70	87
03		20		37		54		71	88
04		21		38		55		72	89
05		22		39		56		73	90
06		23		40		57		74	91
07		24		41		58		75	92
08		25		42		59		76	93
09		26		43		60		77	94
10		27		44		61		78	95
11		28		45		62		79	96
12		29		46		63		80	97
13		30		47		64		81	98
14		31		48		65		82	99
15		32		49		66		83	
16		33		50		67		84	

OUTPUT ↓



- 25
- 24
- 23
- 22
- 21
- 20
- 19
- 18
- 17
- 16
- 15
- 14
- 13
- 12
- 11
- 10
- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1





2

WRITE BUGS CELL NO. IN CELL 99:
MOVE BUG TO CELL
SUBTRACT CONTENT OF CELL FROM ACCUMULATOR
COPY ACCUMULATOR INTO CELL
COPY CONTENTS OF CELL ON OUTPUT CARD AND ADVANCE CARD
SHIFT ACCUMULATOR LEFT PLACES... THEN RIGHT
MOVE BUG TO CELL
ADD CONTENTS OF CELL INTO ACCUMULATOR
ERASE ACCUMULATOR INTO ACCUMULATOR
COPY CONTENTS OFF CELL INTO ACCUMULATOR
COPY INPUT CARD INTO CELL : ADVANCE CARD

25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

9
8
7
6
5
4
3
2
1
0

1

3

9	9	9	9
8	8	8	8
7	7	7	7
6	6	6	6
5	5	5	5
4	4	4	4
3	3	3	3
2	2	2	2
1	1	1	1
0	0	0	0
	9		9
	8		8
	7		7
	6		6
	5		5
	4		4
	3		3
	2		2
	1		1
	0		0

4

25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

↑
ACCUMULATOR
TEST

↑
ADDRESS (1)

↑
ADDRESS (2)

↑
OP CODE

+
-