

CARDIAC Op Codes

Notation	Meaning	
ACC	Contents of the accumulator	
PC	Contents of the program counter	
MEM[...]	Contents of memory at location ...	
INPUT	Contents of one card read from the input	
OUTPUT	Contents of one card written to the input	

Op Code	Abbrev.	Operation
0XY	INP	Read input card into MEM[XY].
1XY	CLA	Clear ACC and add into it the contents of MEM[XY].
2XY	ADD	$ACC \leftarrow ACC + MEM[XY]$
3XY	TAC	If $ACC < 0$ then $PC \leftarrow MEM[XY]$.
4XY	SFT	Shift ACC X digits to the left and Y digits to the right.
5XY	OUT	Print contents of MEM[XY] on output card.
6XY	STO	Store contents of ACC in MEM[XY].
7XY	SUB	$ACC \leftarrow ACC - MEM[XY]$
8XY	JMP	$MEM[99] \leftarrow (800 + PC + 1)$ and $PC \leftarrow XY$
9XY	HRS	Halt machine and $PC \leftarrow XY$.