cardiac

CARDBOARD I LUSTRATIVE AID TO COMPUTATION

· 100 MEMORY LOCATIONS

· 1 REGISTER

·10 INSTRUCTIONS

CODE	ABBREV.	OPERATION
0	INP	READ A CARD INTO MEMORY - 11/8
1	CLA	CLEAR ACCOMPLIATOR AND ADD FROM MEMORY
2	ADD	ADD FROM MEMORY INTO ACCUMULATOR
3	TAC	TEST ACCUMULATOR AND JUMP IF NEGLATIVE
4	SFT	SHIFT ACCUMULATOR
* 5	OUT	WRITE MEMORY TO OUTPUT
6	STO	STORE ACCUMULATOR INTO MEMORY
7	SUB	SUBTRACT MEMORY FROM ACCUMULATOR
8	JMP	JUMP TO MEMORY POSITION
9	HRS	HALT + RESET

· A DECK OF CARDS

·NUMBERS THAT BU'CAN MANIPULATE WY COMMANIES

COMMAND A JUNGER 0-9 CORRESPUNDING TO A COMMAND

ON THE LIST BEFORE

MEMORY POINT

THE MEMOIZY

COMMAND MANIPULATES

EXAMPLES:

810-JUMP TO MEMORY HOCATION 10

322 - TEST ACCUMULATOR, IF NEGATIVE JUMP TO 22

265 - ADD MEM LOC 63 TO ACCUMULATOR

1) INPUT YOUR COMMANDS INTO THE MEMORY POINTS: ONE

AFTEK ANOTHER ALKE DINUES OF COPE

LOAD YOUR DECK OF CARDS INTO MEMORY. THESE ARE

NUMBERS THAT YOU WANT TO MANIPULATE

- SET THE PROGRAM COUNTER TO THE MEMORY POINT/COMMAND YOU WANT TO START AT
- RUN THE PROGRAM. THE PROGRAM WILL STEP THROUGH MEMORY POINTS EXECUTING A COMMAND IN THAT POINT. IT WILL

example

ADD A LIST OF NUMBERS OUTPUT SOM WHEN I IS ENTERED

MEMORY POINTS:

00: 0 : Where we STORE CURRENT NUM BEING ADDED

M: O : CURRENT SUM

02: 000 : STOKE TOP NUM IN DECK TO 00

03: 100 : CLEAR ACC. ADD NUM IN DO

04: 308: IF ACC IS NEG, JOMP TO GG, IF PGS CONTINUE

05: 201 : ADD OI TO ACCUMULATOR

06: 601: STORE THE ACCOMULATOR IN OI (SUM)

07: 802 : JUMP TO 02

08: 501 : OUTPUT OL (SUM)

09: 900 : END PROGIZAM

PC:	DECK! INPUT/ME	MORY:	OUTPUT!			
02	1		15			
Land to the second	2	- T- T- P-	3			
	3	August 194				
	4					
	5					
	-	- X				