Sheet - 10	
ala Disurbtion	101 44 on 14
her Brany Assembly code Load he value which of	in memory 20cation 14
25 0010 1110 Load 14 Skypning & Skypning & Skunction	of actionate
101 1 0000 Equal lumo to instanction	Thu the state of t
10 1 0100 sump	Linu 15
3 60 111 1 0000 trace 1 and the value will	of the memory location 15 to accumulator
4 2+ 001 0 1111 com	of the memory wards 13 to except 15
Add to Add to	1 1 1000 1000
Store 13 Store	ol many Locarding
7 20 001 0 1110 Loud 19 Loud 19	0.001.000000000000000000000000000000000
8 91 100 10001 Subth Substract Value I	accumulator in memory Location 14
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
10 cb 1100 (011 Jump 11 Jump 10 100 100 100 100 100 100 100 100 100	
100 000 0 0000 Data o noquetion / data,	(44-46-64-64-64-64-64-64-64-64-64-64-64-6
15 00 000 0000 Datao	
13 00 000 000 DW100 11	Energialized to stoned value
14 06 00000110 Data 6 no instruction data	
15 01 00000001 Duta1 hogustuction/ data	, quitalized to stone valle
(B) ACC 6 2 6 5 25 4 4 4 3 8 3 2	1621321
4 [4 3 2 1 0	
H15] 2 4 8 16 32 64	the state of the s
So 9 h this assembly code when the	
accordian halts of leaves the value	
Pro flam www.	
6 40 9 n the memory cell 15.	
	Scanned with CamScanner

The program would as follow First the value of cell memory 14 9's loaded In the accumulator. Then in the next step the value 9s campared with O which Ps not twee so the program moves to the vent step. In next step the assembly cocle 4s Jump to 9 ns temption 4. The program goes to the onskuction 4 where & the value of cell memory 15 9's loaded & in the accumulator. In next step the value's are added and the result 98 stored In cell memory 15. Then cold value of cell memory 14 es Loaded In the accumulator. In next step 1 698 substracted from that value and stone a 9n cell memory 14. In went Skp the Instruction Is to Jump to instruction 11 where

data initialized to 0. The following steps continues cell memory 14 becomes O and Equal # 0 Hatches and the perogram terminates. the value of cell memouy change of to 10. Binary convention of the from heradelimal 98 000 0000 assembly code will be Pata O. It will land the value of tell memory 0 down M o well match regual #0 and the Then program will terminate