

Consider the following P88 Program:

The screenshot shows the P88 Simulator interface with the following data:

Operations	P88	0	1	2	3	4	5	6	7	8	9	Output
12: add	0	4080	0	0	0	0	0	0	0	0	0	Output
13: sub	10	0	0	0	0	0	0	0	0	0	0	
15: cmp	20	0	0	0	0	0	0	0	0	0	0	
20: copy (load)	30	0	0	0	0	0	0	0	0	0	0	
21: copy (store)	40	145	200	10	1340	17	30	340	12	0	0	
35: mul	50	0	1	-1	20000	0	0	0	0	0	0	
36: div	60	40	48	0	0	0	0	0	0	0	0	
40: jmp	70	0	0	0	0	0	0	0	0	0	0	
41: jnb	80	20060	21062	15061	41099	12053	21086	99999	56999	20062	12051	
42: jb	90	40081	0	0	0	0	0	0	0	0	0	

Other: halt

AX: 0 IP: 80 IR: 0 CF: NB

Buttons: Init97, Load, Open file..., Save as..., Fetch, Exec, Run, Stop, Set Delay, 125, Clear output

1) Trace the program presented above to determine the output.

Use this area to translate the machine code into assembly

Output

2) Write pseudo-code to describe the operation of this program.