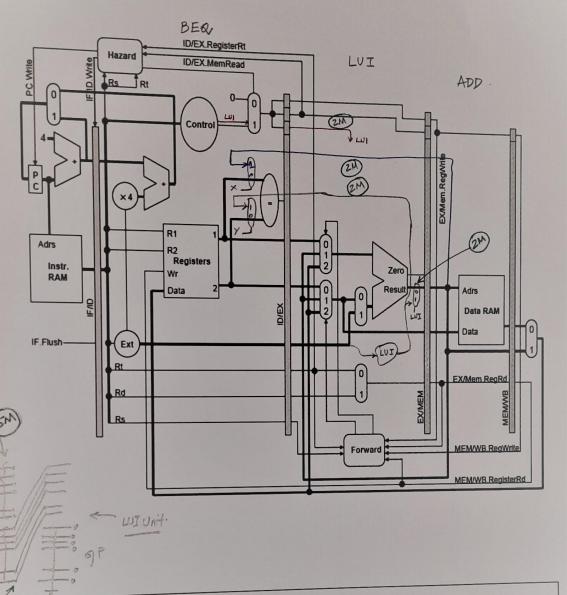


## Answer:



EQUATIONS:

1F/10. opcode == Br 10/Ex. LUI = 1 10/Ex. 1 == 1F/10.7 t wen y = 1 IFAD. opcode=Br EX/MEM. regimbe=1 EX/MEM. rd == IF/ID. rs Ther x=1.



Instr/c	1	2	3	4	5	6	7	8	9	1	1	1	1	1	1	1	1	1	1	2
уc										0	1	2	3	4	5	6	7	8	9	0
ADD R2, R2,	I	I	E	M	W															
R1	F	D	X		В															
ORI R3, R2,4		I	I	I	I	E	М	W												
		F	D	D	D															
GWL DO O(DO)			I	I	I	I	I	I	E	М	W									
SW R2, 9(R3)			F	F	F	D	D	D												
ave na na						I	I	I	I	E	М	W								
SUB R3, R3, R1						F	F	F	D											
a									I	I	I	I	E	M	W					
SW R3 10(R2)									F	D	D	D								
LW R4										I	I	I	I	E	M	W				
10(R2)										F	F	F	D							
DMEZ D4													I	I	I	I	I	E	M	M
BNEZ R4 LOOP													F	D	D	D	D			

First Instruction----No Marks

Next Six Instructions----2.5 Marks each