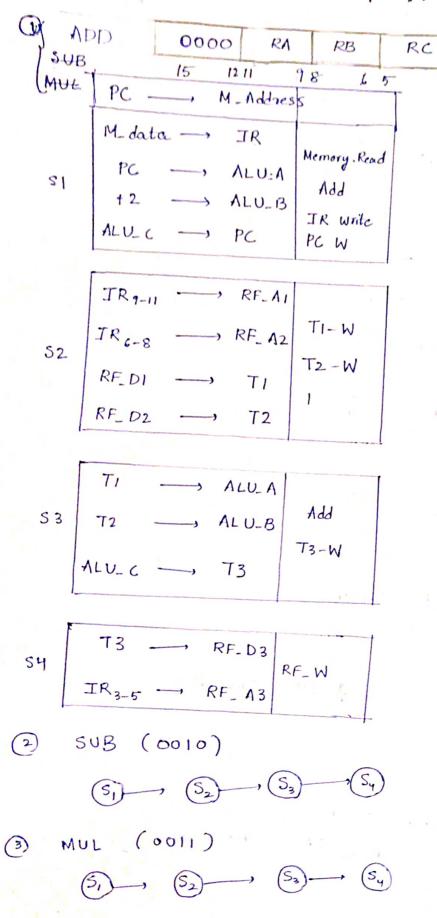
EE-224 PROJECT



GROUP MEMBERS

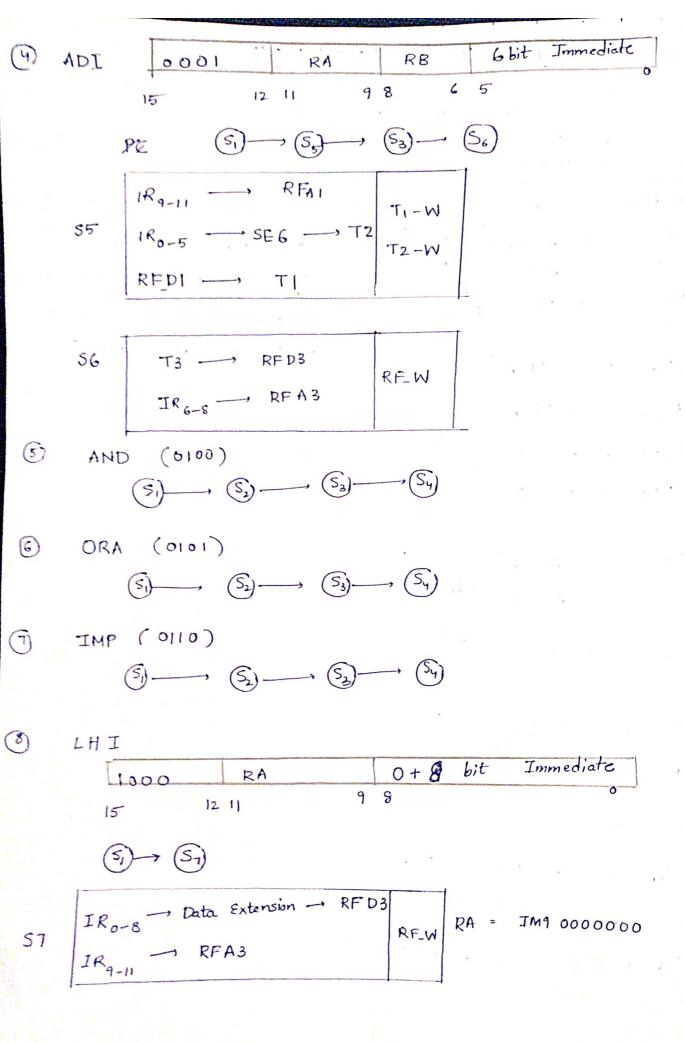
K. Yashaswini 2283911

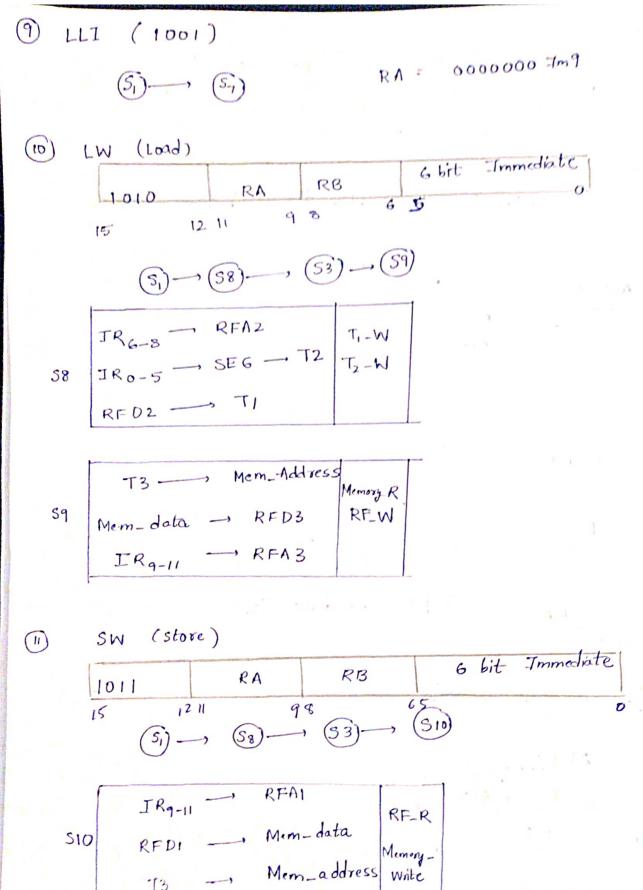
Pyla Ramya 2281305

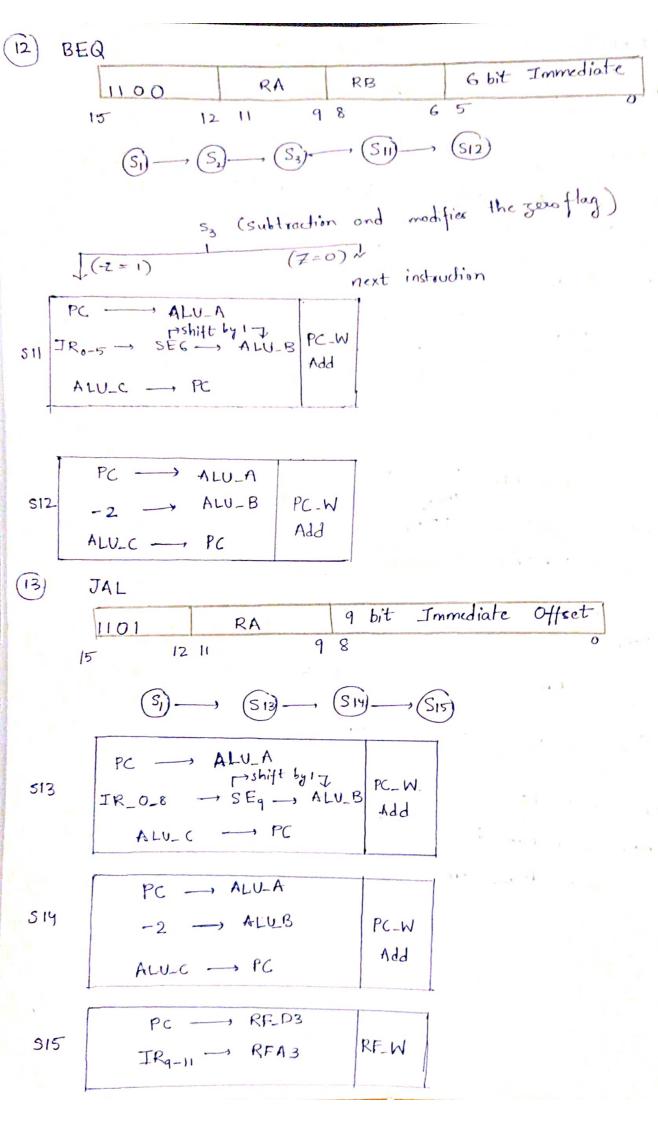
Lokesh Chandra 2283906

Krishna Kant Naik 2283934

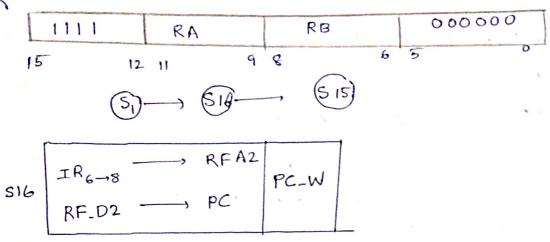
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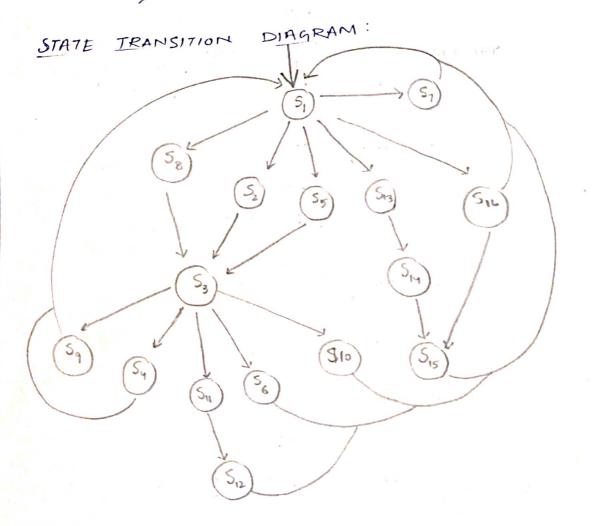








pe - P



CONNECTIONS

* to RFA, and RFA2

IRq-11 - RFAI

IRG-8 - RFA1

* to T3

ALU-C - T3

PC - ALU-A

e Corto RF. A3

JR3-5 - RF-A3 00

IR6-8 -> RF_A3 01

IR9-11 -- RF_43 10

TI ALU-A

to ALU-B

T2 --- ALU-B

+2 --- ALU-B

+ to RF_D3

T3 → RF_D3

TR-0-8 -> SE-6 -> Shift -> ALU-B) IT

IR-0-8 - DE - RF-D3 01 Memory-Address

Memory-deta -> RF-D3 10

PC ----- RF_D3 11

T3 -- Mem_Add D
PC -- Mem_Add 1

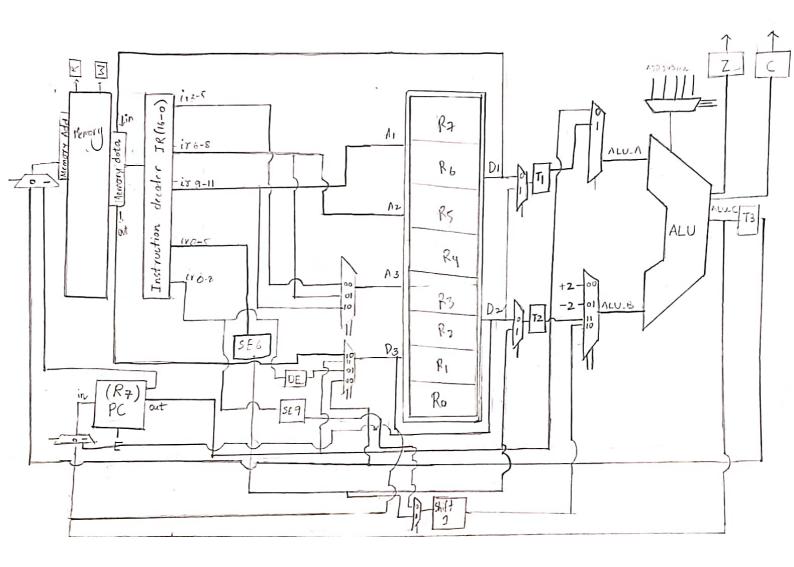
* Memory data

RFDI - Memory-data

* to TI $RF-DI \longrightarrow TI$ $RF-D2 \longrightarrow TI$

 $\begin{array}{ccc} & & & \\ &$

 $\frac{\text{to } 72}{\text{RF}_{-}D2} \longrightarrow \text{T2} \qquad 0$ $\text{IR}_{0-5} \longrightarrow \text{SE6} \longrightarrow \text{T2} \quad 1$



	R_Mem	W-Mem	W_PC	WIR	WLRF	RF_A3	RF_D3	PC	ТІ	Т2	ALU_A	ALU-B	Men_Add	shift
51	1	0	1	1	0	××	××	0	×	×	0	00	×	×
S2 -	0	0	0	0	0	××	××	×	0	0	×	××	×	×
53	0	0	0	0	0	××	××	×	×	x	1	11	×	Х
sy -	. 0	0	0	0	1	60	00	×	×	×	×	××	X	X
55	0	0	0	0	0	××	××	×	0	1	×	××	×	×
56	0	0	0	0	1	01	00	×	×	×	×	××	×	×
51	0	0	O	0	ı	10	01	×	×	×	×	* ×	×	×
58	0	0	0	0	O	××	××	×	1	1	×	* ×	×	×
59	1	O	0	0	1	10	10	×	×	×	×	××	0	×
Sio	0	1 1	0	0	0	××	××	×	×	×	×	××	0	×
211	0	0	1	0	0	××	××	0	×	0	×	10	×	1
S12	0	0	1	0	0	××	××	0	×	×	0	01	×	×
\$13	0	0	1	0	0	××	××	0	×	×	O	10	×	0
314	0	0	1	0	0	××	××	O	×	×	0	0	×	×
515	0	0	0	O	1	10	11	×	×	×	×	××	×	×
316	0	0	1	0	0	××	××	1	×	X	×	××	×	×