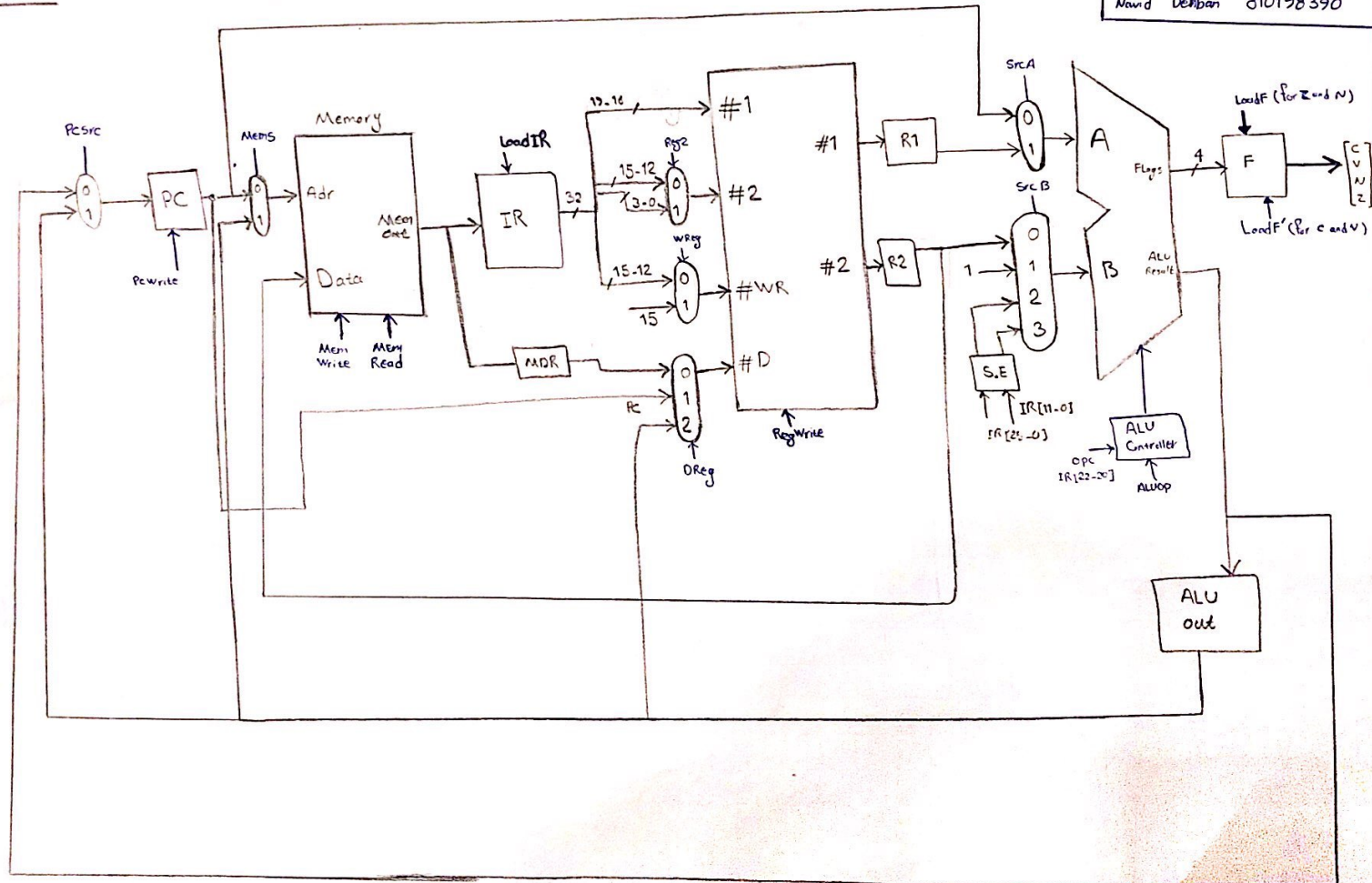
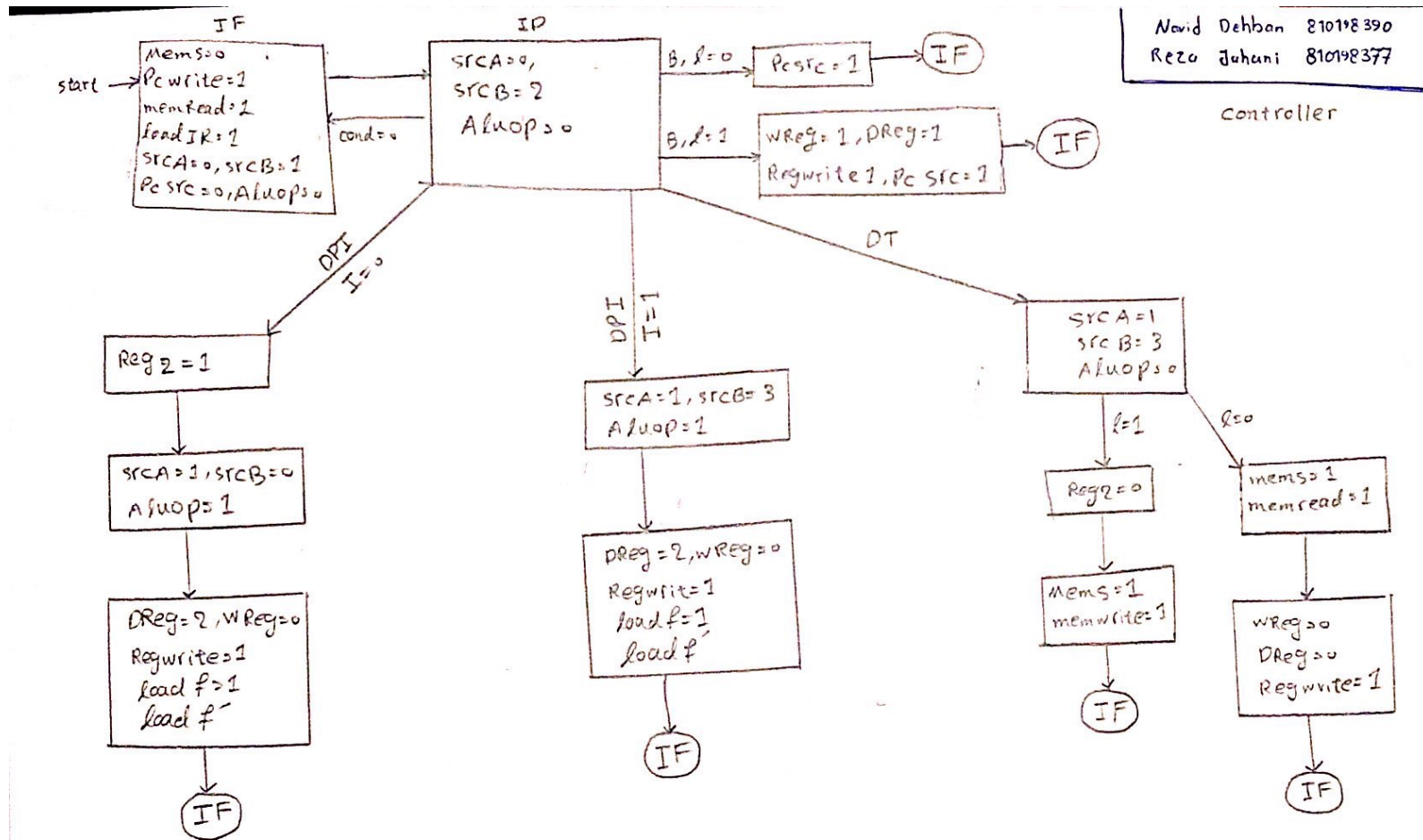


Datapath

Reza Jahani 810198377
Nand Dehban 810198390







Date: / /

* ALU

* ALU Controller

code	func	ALUop	OPC (IR[22-20])	ALU Gde
000	A+B	0	---	000
001	A-B	1	000	000
010	A AND B	1	001-101-110	001
010	B	1	011-101	010
100	NOT(B)	1	100	100
		1	111	011

* LoadF'

OPC	LoadF'
000-010	1
001-110	
else	0

* Gnd

C	Z	N	V	C	Gnd
00	1	—	—	—	1
01	0	0	1	—	1
01	0	1	0	—	1
10	—	0	0	—	1
10	—	1	1	—	1
11	—	—	—	—	1
else					0