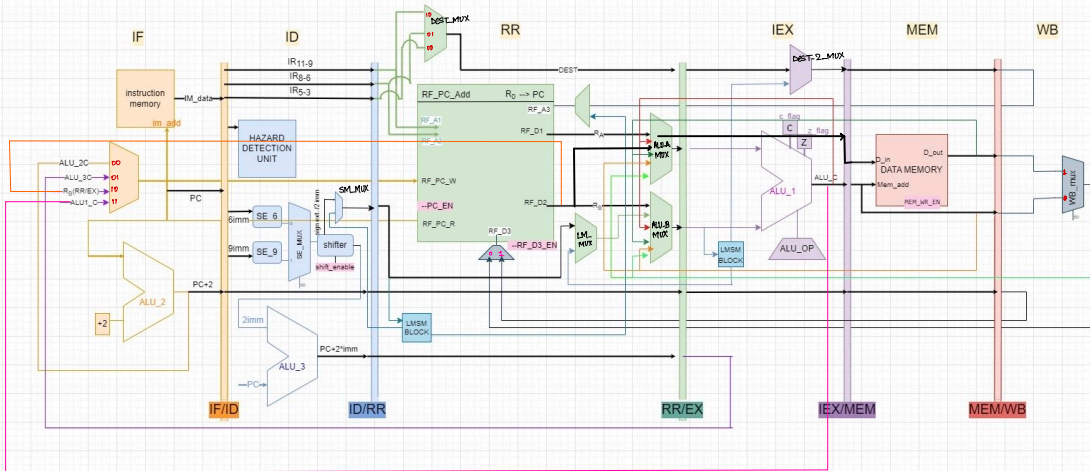


ADD/NAND	0001 0010	$RA + RB \longrightarrow RC \text{ (Dest)}$
ADI	0000	$RA + 6imm \longrightarrow RB \text{ ( " )}$
LLI	0011	$0 + 9imm \longrightarrow RA \text{ ( " )}$
LW	0100	$M(RB + 6imm) \longrightarrow RA \text{ (Dest)}$
SW	0101	$M(RB + 6imm) \longleftarrow RA \text{ (Din)}$

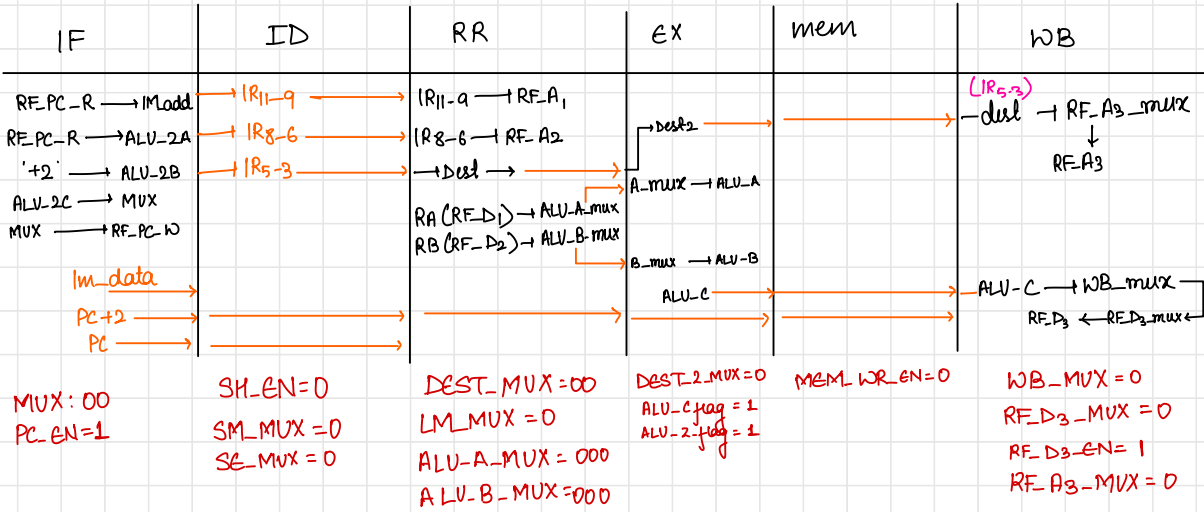
BEB	1000	} if Branch $PC' = PC + 2imm$
BLT	1001	
BLE	1010	
JAL	1100	: Dest $RA \xleftarrow{(PC+2)} ; PC + 2imm$
JLR	1101	: Dest $RA \xleftarrow{(PC+2)} ; RB$
JRI	1111	: to $RA + 2imm$



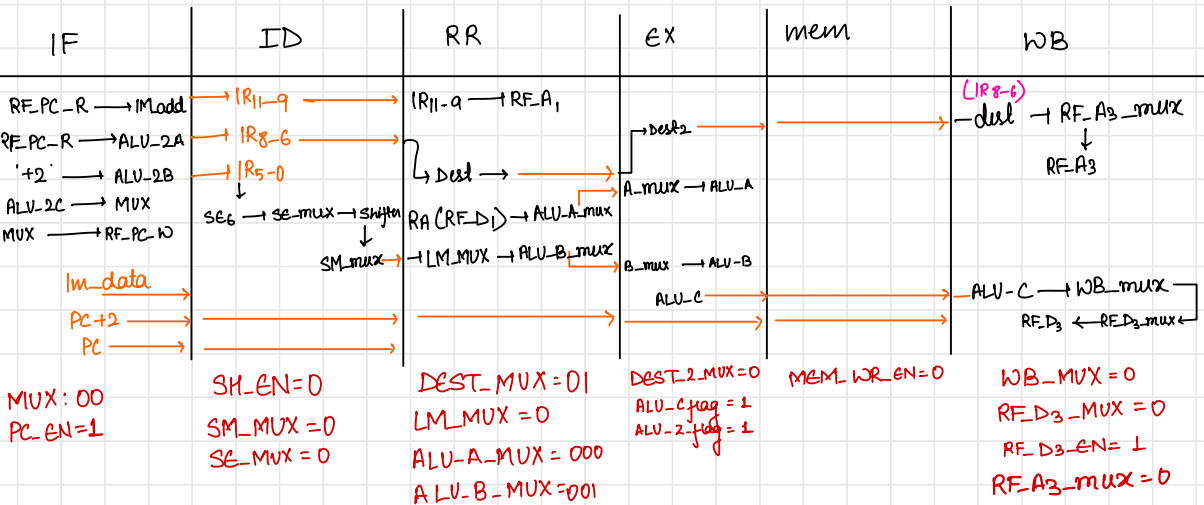
0001 { 0000 0000 0010 0010 0010 0010  
ADD, ADC, ADZ, ACA, ACC, ACZ  
AWC, ACW  
0001 0011

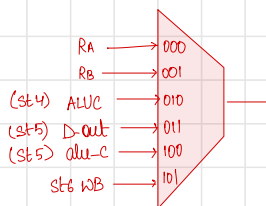
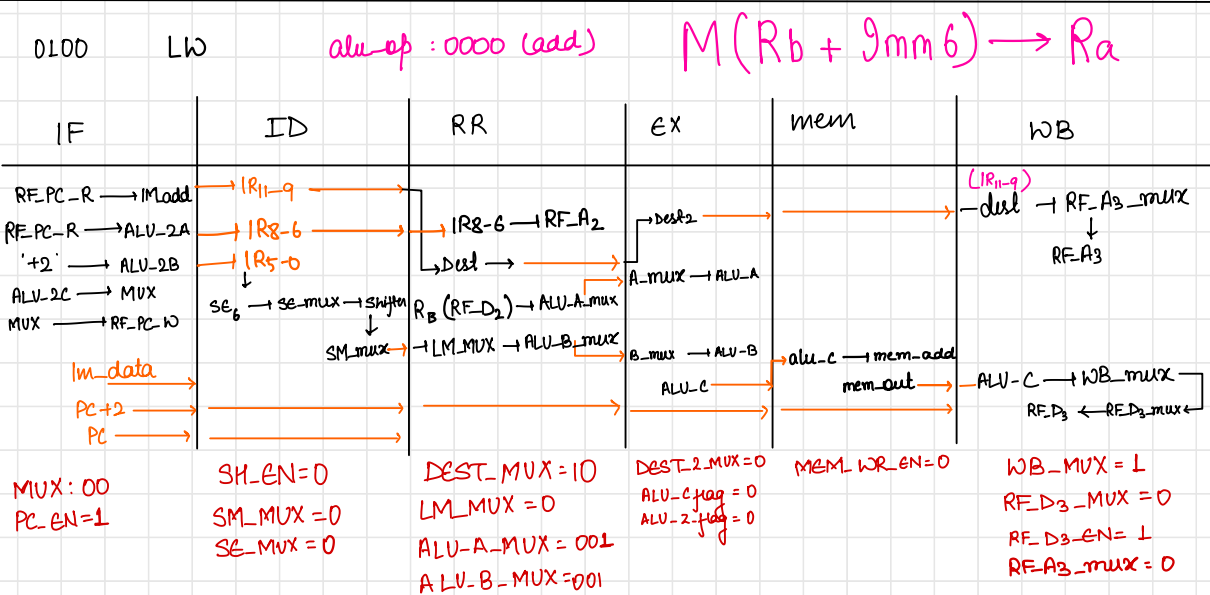
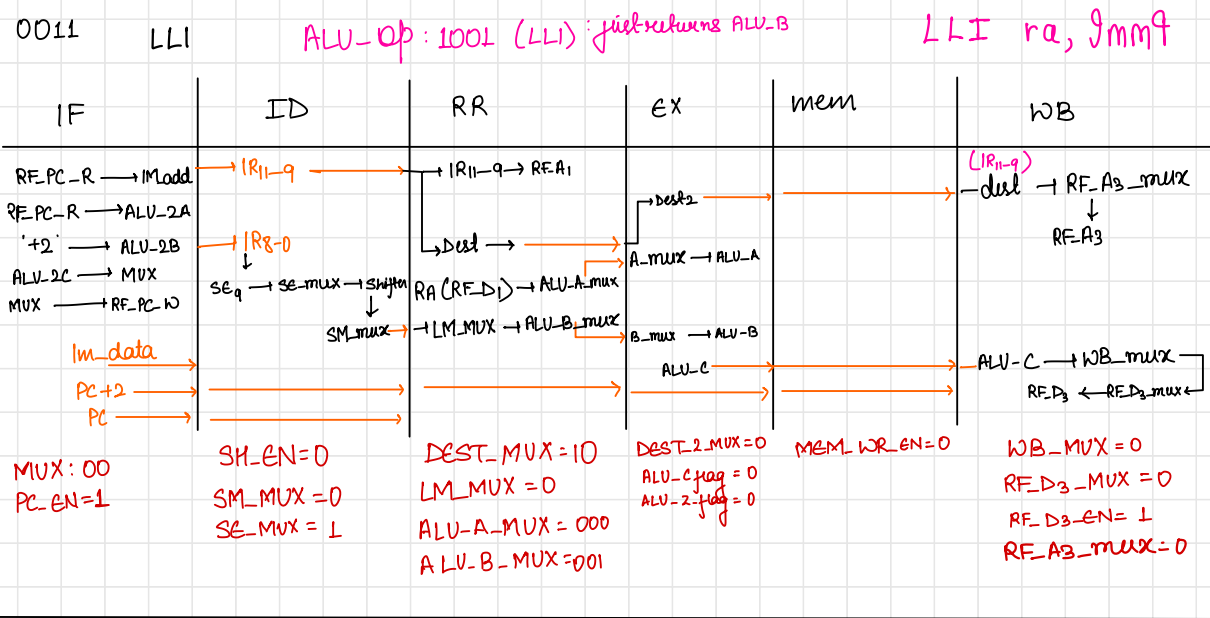
NDU, NDC, NDZ { 0100  
NCU, NCC, NCZ { 0101 } 0010

alu-op

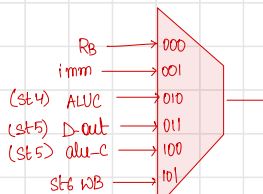


0000 ADI ALU-op: 00 00 (add) (Ra + Imm6) → Rb



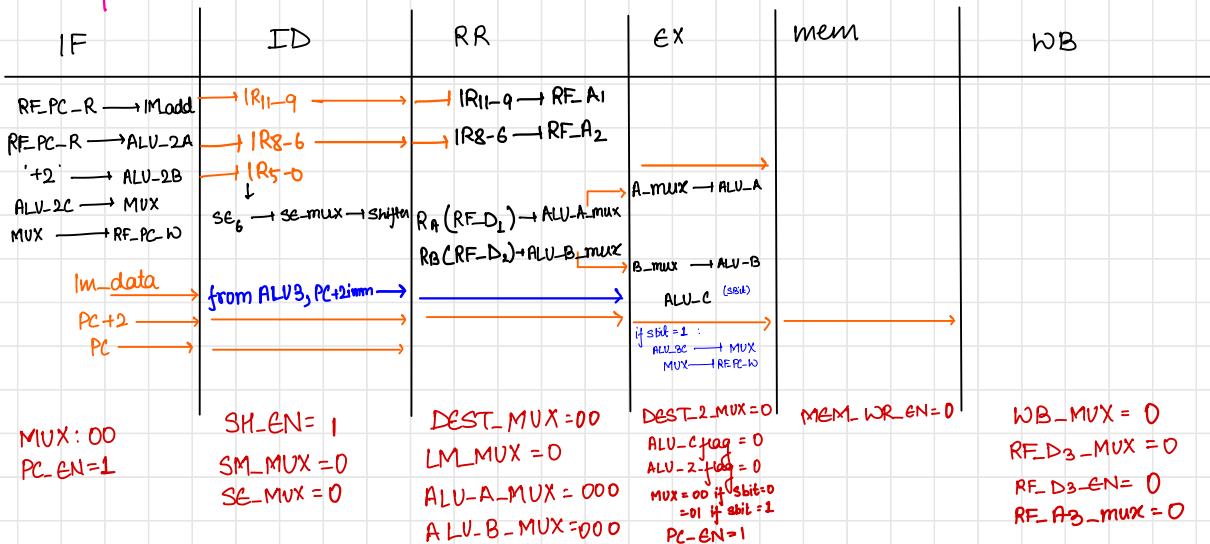
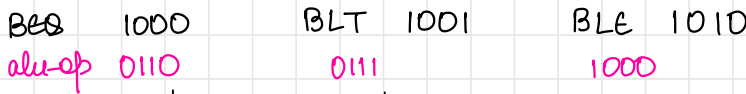


alu-mux-A



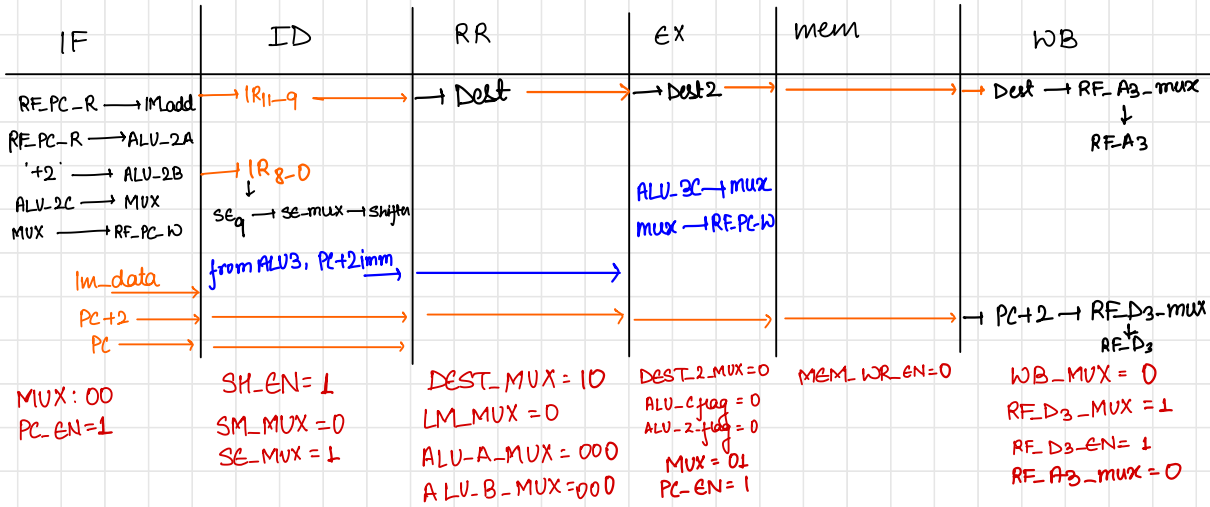
alu-mux-B

sw ra, rb, 9mm



# JAL 1100

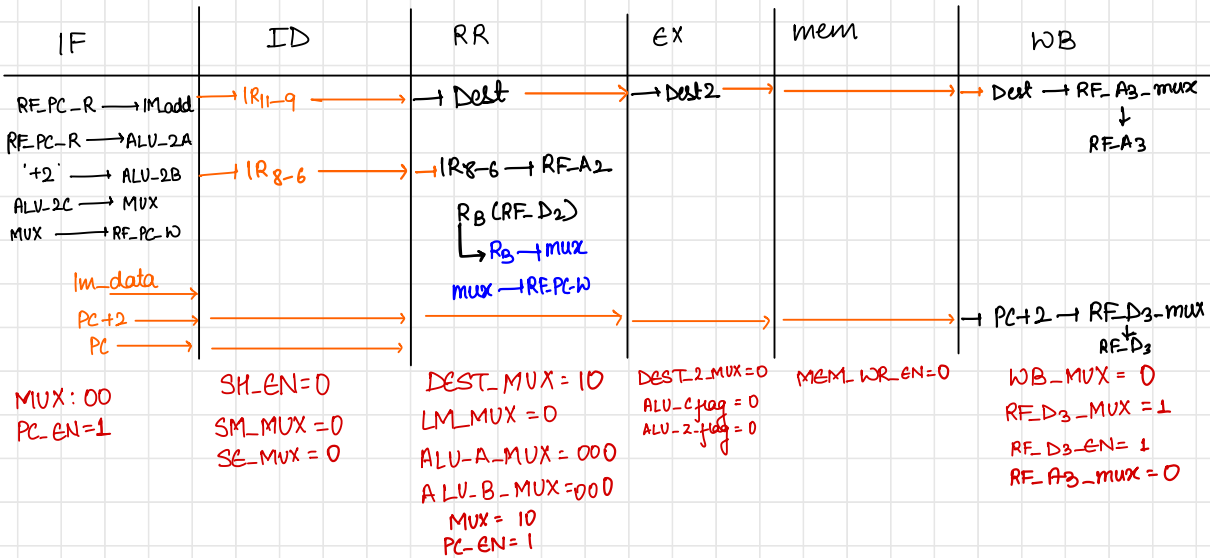
alu-op: nop (1111)



# JLR 1101

alu-op: NOP (1111)

jlr ra,rb



JRI 1111

alu-op = 0000 (add)

jri, ra, imm9

