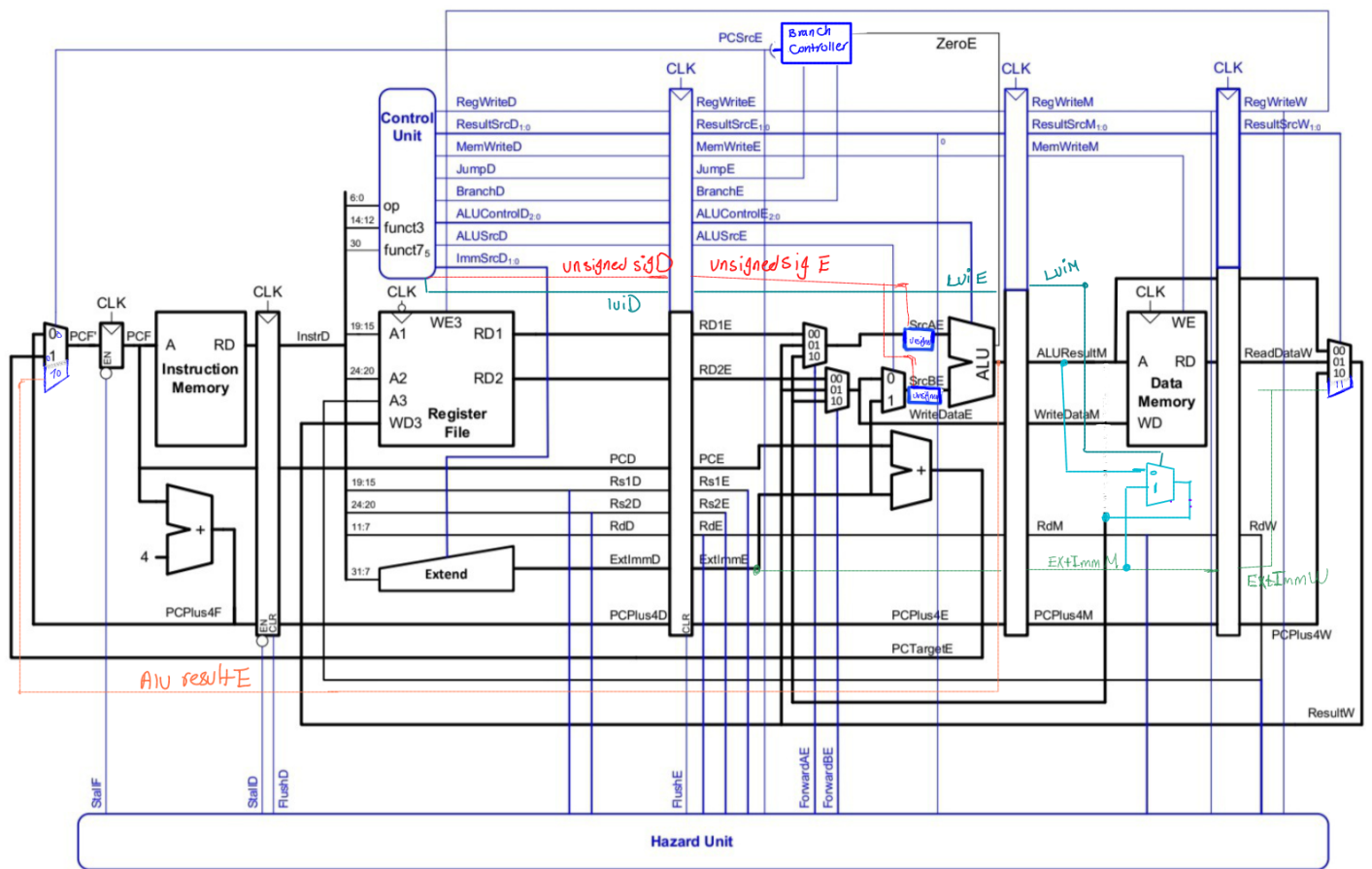


CA4

Saman Davachi Tousi  
Zahra Darabi



	Reg write	result Src	Mem write	Jump	branch	ALU Control	ALU Src	Imm Src	unsigned Sig	LUI
R-T	1	00	0	00	00	بِتَّ بِ دَلَقَ	0	XXX	0	0
SLTU	1	00	0	00	00	101	0	xxx	1	0
I-T	1	00	0	00	00	وابِتَّ بِ دَلَقَ	1	000	0	0
SLTIU	1	00	0	00	00	101	1	000	1	0
lw	1	01	0	00	00	000	1	00		0
jalr	1	10	0	11	00	000	1	000	0	0
ST	0	XX	1	00	00	000	1	001	0	0
J-T	1	10	0	10	00	XXX	X	100	0	0
b-T	0	XX	0	00	وابِتَّ بِ دَلَقَ	وابِتَّ بِ دَلَقَ	0	010	0	0
U-T	1	11	0	00	00	XXX	X	011	0	1

Imm Src	Imm. EXT	Inst type
000	$\{\{20 \{Inst[31]\}\}, Inst[31:20]\}$	I-type
001	$\{\{20 \{Inst[31]\}\}, Inst[31:25], Inst[11:7]\}$	S-type
010	$\{\{19 \{Inst[31]\}\}, Inst[31], Inst[7], Inst[30:25], Inst[11:8], 1'00\}$	B-type
011	$\{\{Inst[31:12]\}, 12'00\}$	U-type
100	$\{\{11 \{Inst[31]\}\}, Inst[31], Inst[0:12], Inst[20], Inst[20:2], 1'00\}$	J-type