Emon Sarker 1931461642

Control Unit Truth Table:

OP	Name	ALU OP		Cin	Binv	Write En	RT/RD	RD/IM	RAM En	RAM Read	RAM Write	RAM to Reg	beq	jmp
0000	nop	x	x	x	x	x	x	x	x	x	x	x	x	x
0001	beq	0	0	0	0	0	1	0	0	0	0	0	1	0
0010	sub	0	0	1	1	1	1	0	0	0	0	0	0	0
0011	sll	0	1	0	0	1	0	1	0	0	0	0	0	0
0100	And	1	0	0	0	1	1	0	0	0	0	0	0	0
0101	sw	0	0	0	0	0	0	1	1	0	1	1	0	0
0110	slt	1	1	0	0	1	1	0	0	0	0	0	0	0
0111	jmp	x	x	0	0	0	1	0	0	0	0	0	0	1
1000	add	0	0	0	0	1	1	0	0	0	0	0	0	0
1001	addi	0	0	0	0	1	0	1	0	0	0	0	0	0
1010	lw	0	0	0	0	1	0	1	1	1	0	1	0	0