Control Unit Table

Name	Type	Op	ALU OP			Cin	Binv	Write En	Ram En	Mem Write	Mem Read	MemTo Reg	IM	Reg Dest	Jump	Nop
nop	I	0000	0	0	0	0	0	0	0	0	0	0	0	0	0	1
sll	I	0001	1	0	0	0	0	1	0	0	0	0	1	1	0	0
sub	R	0010	0	1	1	1	1	1	0	0	0	0	0	0	0	0
sw	I	0011	0	1	1	0	0	0	1	1	0	0	1	0	0	0
and	R	0100	0	0	0	0	0	1	0	0	0	0	0	0	0	0
beq	I	0101	0	1	1	1	1	0	0	0	0	0	0	0	1	0
jmp	I	0110	0	0	0	0	0	0	0	0	0	0	1	0	1	0
slt	R	0111	1	0	1	0	0	1	0	0	0	0	0	0	0	0
add	R	1000	0	1	1	0	0	1	0	0	0	0	0	0	0	0
addi	I	1001	0	1	1	0	0	1	0	0	0	0	1	1	0	0
lw	I	1010	0	1	1	0	0	1	1	0	1	1	1	1	0	0