باسمه تعالی

Control Unit

Control Signals

opcode	000	001	010	011	100	101	110	111
Instruction	**Add(R)**	**Sub(R)**	**Beq(I)**	**And(R)**	**Lw(I)**	**Sw(I)**	**Addi(I)**	**Ori(I)**
RegDst	1	1	x(0)	1	0	x(0)	0	0
RegWrite	1	1	0	1	1	0	1	1
MemToReg	0	0	x(0)	0	1	x(0)	0	0
MemWrite	0	0	0	0	0	1	0	0
MemRead	0	0	0	0	1	0	0	0
ALUsrc	0	0	0	0	1	1	1	1
ExtOp	x(0)	x(0)	x(0)	x(0)	1	1	0	0
Branch	0	0	1	0	0	0	0	0
ALUop[1:0]	**00**	**01**	**01**	**10**	**00**	**00**	**00**	**11**
ALUctr	**add**	**sub**	**sub**	**and**	**add**	**add**	**add**	**or**

Mahdi Tavassoli

993 633 012