



















ALU Control 2-bit ALUOp <b>derived</b> from opcode - Combinational logic derives ALU control 4-bit ALU control <b>derived</b> from opcode					
lw	00	load word	XXXXXX	add	0010
sw	00	store word	XXXXXX	add	0010
h	01	branch equal	XXXXXX	subtract	0110
ped		bhe	100000	add	0010
R-type	10	auu	100000		
R-type	10	subtract	100010	subtract	0110
R-type	10	subtract AND	100010 100100	subtract AND	0110 0000
R-type	10	subtract AND OR	100010 100100 100101	subtract AND OR	0110 0000 0001

































