Instruction	OpCode[5:0]	Rs[4:0]	Rt[4:0]	Rd[4:0]	Shamt[4:0]	Funct[5:0]
lw rt, offset (rs)	0x23	rs	rt	offset		
sw rt, offset (rs)	0x2b	rs	rt	offset		
lui rt, imm	0x0f	0	rt	imm		
add rd, rs, rt	0	rs	rt	rd	0	0x20
addu rd, rs, rt	0	rs	rt	rd	0	0x21
sub rd, rs, rt	0	rs	rt	rd	0	0x22
subu rd, rs, rt	0	rs	rt	rd	0	0x23
addi rt, rs, imm	0x08	rs	rt	imm		
addiu rt, rs, imm	0x09	rs	rt	imm		
and rd, rs, rt	0	rs	rt	rd	0	0x24
or rd, rs, rt	0	rs	rt	rd	0	0x25
xor rd, rs, rt	0	rs	rt	rd	0	0x26
nor rd, rs, rt	0	rs	rt	rd	0	0x27
andi rt, rs, imm	0x0c	rs	rt	imm		
sll rd, rt, shamt	0	0	rt	rd	shamt	0
srl rd, rt, shamt	0	0	rt	rd	shamt	0x02
sra rd, rt, shamt	0	0	rt	rd	shamt	0x03
slt rd, rs, rt	0	rs	rt	rd	0	0x2a
sltu rd, rs, rt	0	rs	rt	rd	0	0x2b
slti rt, rs, imm	0x0a	rs	rt	imm		
sltiu rt, rs, imm	0x0b	rs	rt	imm		
beq rs, rt, label	0x04	rs	rt	offset		
j target	0x02	target				
jal target	0x03	target				
bne rs, rt, label	0x05	rs	rt	offset		
blez rs, rt, label	0x06	rs	0	offset		
bgtz rs, rt, label	0x07	rs	0	offset		
bltz rs, rt, label	0x01	rs	0	offset		
jr rs	0	rs	0			0x08
jalr rd, rs	0	rs	0	rd	0	0x09
jr rs	0	rs	0			0x08
jalr rd, rs	0	rs	0	rd	0	0x09