指令及其对应机器码查找表

	31:26	25:21	20:16	15:11	10:6	5:0	
逻辑运算指令	000000	rs	rt	rd	00000	100100	and rd,rs,rt
	000000	rs	rt	rd	00000	100101	or rd,rs,rt
	000000	rs	rt	rd	00000	100110	xor rd,rs,rt
	000000	rs	rt	rd	00000	100111	nor rd,rs,rt
	001100	rs	rt	immediate			andi rt,rs,immediate
	001110	rs	rt	immediate			xori rt,rs,immediate
	001111	00000	rt	immediate			lui rt,immediate
	001101	rs	rt	immediate			ori rs,rt,immediate

	31:26	25:21	20:16	15:11	10:6	5:0	
移位指令	000000	00000	rt	rd	sa	000000	sll rd,rt,sa
	000000	00000	rt	rd	sa	000010	srl rd,rt,sa
	000000	00000	rt	rd	sa	000011	sra rd,rt,sa
	000000	rs	rt	rd	00000	000100	sllv rd,rt,rs
	000000	rs	rt	rd	00000	000110	srlv rd,rt,rs
	000000	rs	rt	rd	00000	000111	srav rd,rt,rs

	31:26	25:21	20:16	15:11	10:6	5:0	
数据移动指令	000000	00000	00000	rd	00000	010000	mfhi rd
	000000	00000	00000	rd	00000	010010	mflo rd
	000000	rs	00000	00000	00000	010001	mthi rs
	000000	rs	00000	00000	00000	010011	mtlo rs

	31:26	25:21	20:16	15:11	10:6	5:0	
算术运算指令	000000	rs	rt	rd	00000	100000	add rd,rs,rt
	000000	rs	rt	rd	00000	100001	addu rd,rs,rt
	000000	rs	rt	rd	00000	100010	sub rd,rs,rt
	000000	rs	rt	rd	00000	100011	subu rd,rs,rt
	000000	rs	rt	rd	00000	101010	slt rd,rs,rt
	000000	rs	rt	rd	00000	101011	sltu rd,rs,rt
	000000	rs	rt	00000	00000	011000	mult rs,rt
	000000	rs	rt	00000	00000	011001	multu rs,rt
	000000	rs	rt	00000	00000	011010	div rs,rt
	000000	rs	rt	00000	00000	011011	divu rs,rt
	001000	rs	rt	immediate			addi rt,rs,immediate
	001001	rs	rt	immediate			addiu rt,rs,immediate
	001010	rs	rt	immediate			slti rt,rs,immediate
	001011	rs	rt	immediate			sltiu rt,rs,immediate

	31:26	25:21	20:16	15:11	10:6	5:0	
分支跳转指令	000000	rs	00000	00000	00000	001000	jr rs
	000000	rs	00000	rd	00000	001001	jalr rs/jalr rd,rs
	000010	instr_index					j target
	000011	instr_index					jal target
	000100	rs	rt	offset			beq rs,rt,offset
	000111	rs	00000	offset			bgtz rs,offset
	000110	rs	00000	offset			blez rs,offset
	000101	rs	rt	offset			bne rs,rt,offset
	000001	rs	00000	offset			bltz rs,offset
	000001	rs	10000	offset			bltzal rs,offset
	000001	rs	00001	offset			bgez rs,offset
	000001	rs	10001	offset			bgezal rs,offset

	31:26	25:21	20:16	15:11	10:6	5:0	
访存指令	100000	base	rt	offset			lb rt,offset(base)
	100100	base	rt	offset			lbu rt,offset(base)
	100001	base	rt	offset			lh rt,offset(base)
	100101	base	rt	offset			lhu rt,offset(base)
	100011	base	rt	offset			lw rt,offset(base)
	101000	base	rt	offset			sb rt,offset(base)
	101001	base	rt	offset			sh rt,offset(base)
	101011	base	rt	offset			sw rt,offset(base)

	31:26	25:21	20:16	15:11	10:6	5:0	
内陷指令	000000	code				001101	break
	000000	code				001100	syscall

	31:26	25:21	20:16	15:11	10:3	2:0	
特权指令	010000	00100	rt	rd	00000000	sel	mtc0 rt,rd
	010000	00000	rt	rd	00000000	sel	mfc0 rt,rd

	31:26	25	24:6			5:0	
	010000	1	0000 0000 0000 0000 000			011000	eret