

指令格式	[31:26]	[25:21]	[20:16]	[15:11]	[10:6]	[5:0]	[15:0]	异常
ADD rd, rs, rt	000000	rs	rt	rd	00000	100000		整型溢出
ADDI rt, rs, imm	001000	rs	rt				imm	整型溢出
ADDU rd, rs, rt	000000	rs	rt	rd	00000	100001		
ADDIU rt, rs, imm	001001	rs	rt				imm	
SUB rd, rs, rt	000000	rs	rt	rd	00000	100010		整型溢出
SUBU rd, rs, rt	000000	rs	rt	rd	00000	100011		
SLT rd, rs, rt	000000	rs	rt	rd	00000	101010		
SLTI rt, rs, imm	001010	rs	rt				imm	
SLTU rd, rs, rt	000000	rs	rt	rd	00000	101011		
SLTIU rt, rs, imm	001011	rs	rt				imm	
DIV rs, rt	000000	rs	rt	00000	00000	011010		
DIVU rs, rt	000000	rs	rt	00000	00000	011011		
MULT rs, rt	000000	rs	rt	00000	00000	011000		
MULTU rs, rt	000000	rs	rt	00000	00000	011001		
AND rd, rs, rt	000000	rs	rt	rd	00000	100100		
ANDI rt, rs, imm	001100	rs	rt				imm	
LUI rt, imm	001111	00000	rt				imm	
NOR rd, rs, rt	000000	rs	rt	rd	00000	100111		
OR rd, rs, rt	000000	rs	rt	rd	00000	100101		
ORI rt, rs, imm	001101	rs	rt				imm	
XOR rd, rs, rt	000000	rs	rt	rd	00000	100110		
XORI rt, rs, imm	001110	rs	rt				imm	
SLLV rd, rt, rs	000000	rs	rt	rd	00000	000100		
SLL rd, rt, sa	000000	00000	rt	rd	sa	000000		
SRAV rd, rt, rs	000000	rs	rt	rd	00000	000111		
SRA rd, rt, sa	000000	00000	rt	rd	sa	000011		
SRLV rs, rt, rd	000000	rs	rt	rd	00000	000110		
SRL rd, rt, sa	000000	00000	rt	rd	sa	000010		
BEQ rs, rt, offset	000110	rs	rt				offset	

指令格式	[31:26]	[25:21]	[20:16]	[15:11]	[10:6]	[5:0]	[15:0]	异常
BNE rs, rt, offset	000101	rs	rt				offset	
BGEZ rs, offset	000001	rs	00001				offset	
BGTZ rs, offset	000111	rs	00000				offset	
BLEZ rs, offset	000110	rs	00000				offset	
BLTZ rs, offset	000001	rs	00000				offset	
BGEZAL rs, offset	000001	rs	10001				offset	
BLTZAL rs, offset	000001	rs	10000				offset	
J target	000010							
JAL target	000011							
JR rs	000000	rs	00000	00000	00000	001000		
JALR rd, rs	000000	rs	00000	rd	00000	001001		
MFHI rd	000000	00000	00000	rd	00000	010000		
MFLO rd	000000	00000	00000	rd	00000	010010		
MTHI rs	000000	rs	00000	00000	00000	010001		
MTLO rs	000000	rs	00000	00000	00000	010011		
BREAK	000000	code	code	code	code	001101		断点
SYSCALL	000000	code	code	code	code	001100		系统调用
LB rt, offset(base)	100000	base	rt				offset	
LBU rt, offset(base)	100100	base	rt				offset	
LH rt, offset(base)	100001	base	rt				offset	
LHU rt, offset(base)	100101	base	rt				offset	
LW rt, offset(base)	100011	base	rt				offset	
SB rt, offset(base)	101000	base	rt				offset	
SH rt, offset(base)	101001	base	rt				offset	
SW rt, offset(base)	101011	base	rt				offset	
ERET	010000	10000	00000	00000	00000	011000		
MFC0 rt, rd, sel	010000	00000	rt	rd	00000	{3'b0, sel}		
MTC0 rt, rd, sel	010000	00100	rt	rd	00000	{3'b0, sel}		