

OPCODE	TIPO	MNEMONIC	NOME	OPERAÇÃO
0000 / 0	R	add	Add	$R[ra] = R[ra] + R[rb]$
0001 / 1	I	addi	Add Immediate	$R[ra] = R[ra] + Imm$
0010 / 2	I	jal	Jump and Link	$R[ra] = PC+1$ $PC = PC + Imm$
0011 / 3	I	jalr	Jump and Link Register	$R[ra] = PC+1$ $PC = R[ra] + Imm$
0100 / 4	R	brzr	Branch on Zero Register	if $(R[ra] == 0)$ $PC = R[rb]$
0101 / 5	R	ge	Greater or Equal	if $(R[ra] \geq R[rb])$ $R[ra] = 0$ else $R[ra] = 1$
0110 / 6	R	sw	Store Word	$M[R[rb]] = R[ra]$
0111 / 7	R	lw	Load Word	$R[ra] = M[R[rb]]$
1000 / 8	R	sub	Sub	$R[ra] = R[ra] - R[rb]$
1001 / 9	R	mul	Multiply	$R[ra] = R[ra] * R[rb]$
1010 / 10	R	slr	Shift Left Register	$R[ra] = R[ra] \ll R[rb]$
1011 / 11	R	srr	Shift Right Register	$R[ra] = R[ra] \gg R[rb]$
1100 / 12	R	not	Not	$R[ra] = \text{not } R[rb]$
1101 / 13	R	or	Or	$R[ra] = R[ra] \parallel R[rb]$
1110 / 14	R	and	And	$R[ra] = R[ra] \&\& R[rb]$
1111 / 15	R	xor	Xor	$R[ra] = R[ra] \text{ xor } R[rb]$

TIPO R												
Bits	11	10	9	8	7	6	5	4	3	2	1	0
	OPCODE				RS1				RS2			

TIPO I												
Bits	11	10	9	8	7	6	5	4	3	2	1	0
	OPCODE				RS1				IMM			

