Cartão de Referência PATO

Formatos de Instrução

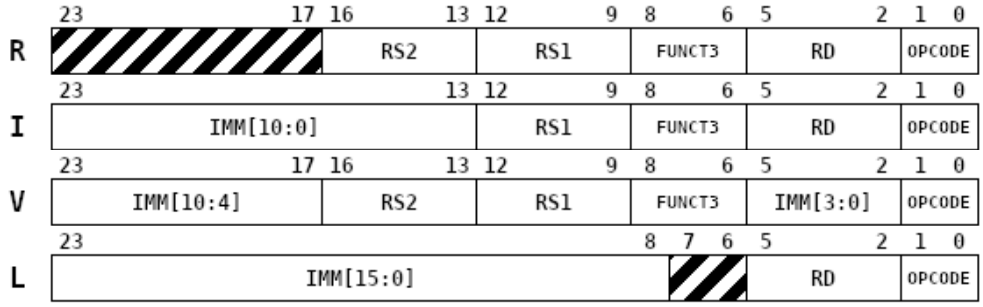

Tabela de Instruções

INS	FMT	OPC	FN3	DESC
add	R	00	000	rd ← rs1 + rs2
sub	R	00	001	rd ← rs1 - rs2
mul	R	00	010	rd ← rs1 * rs2
div	R	00	011	rd ← rs1 / rs2
mod	R	00	100	rd ← rs1 % rs2
and	R	00	101	rd ← rs1 & rs2
or	R	00	110	rd ← rs1 | rs2
xor	R	00	111	rd ← rs1 ^ rs2
addi	I	01	000	rd ← rs1 + imm
lw	I	01	001	rd ← imm(rs1)
jalr	I	01	010	rd ← (ip + 1) ; ip ← imm(rs1)
slli	I	01	011	rd ← rs1 << imm
modi	I	01	100	rd ← rs1 % imm
andi	I	01	101	rd ← rs1 & imm
ori	I	01	110	rd ← rs1 | imm
xori	I	01	111	rd ← rs1 ^ imm
sw	V	10	000	imm(rs1) ← rs2
halt	V	10	001	ip ← ip
beq	V	10	100	(rs1 == rs2) ? (ip ← ip + imm) : (ip ← ip + 1)
bne	V	10	101	(rs1 != rs2) ? (ip ← ip + imm) : (ip ← ip + 1)
bge	V	10	110	(rs1 >= rs2) ? (ip ← ip + imm) : (ip ← ip + 1)
blt	V	10	111	(rs1 < rs2) ? (ip ← ip + imm) : (ip ← ip + 1)
li	L	11	---	rd[15:0] ← imm[15:0]