|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Instrução | Opcode e/ou identificador único | Sinais de controle | | | | | | | | | | | | | |
| Reg Dst | Jump | BranchNEQ | BranchEQ | Mem ToReg | AluOp(3) | AluOp(2) | AluOp(1) | AluOp(0) | MemWrite | AluSrc | RegWrite | PcSrc | ITController |
| ADD | 000/0110011 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| SUB | 001/0110011 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| ADDI | 000/0010011 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| SLL | 010/0110011 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| SRL | 011/0000011 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| LW | 010/0100011 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| SW | 010/0000011 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| LB | 000/0100011 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| SB | 000/0100011 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 |
| BEQ | 011/0100011 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| BNE | 001/0100011 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| SLT | 100/0110011 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| SLTI | 001/0010011 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |
| J | xxx/0000010 | 1 | 1 | 1 | 1 | 0 | x | x | x | x | 0 | 0 | 0 | 1 | 0 |
| JAL | xxx/1101111 | 0 | 0 | 1 | 1 | 0 | x | x | x | x | 0 | 0 | 1 | 1 | 0 |
| JARL | xxx/1100111 | 0 | 0 | 1 | 1 | 0 | x | x | x | x | 0 | 1 | 1 | 1 | 0 |
| ECALL | xxx/1110011 | 0 | 0 | 0 | 0 | 0 | x | x | x | x | 0 | 0 | 0 | 0 | 1 |
| NOP | 010/0010011 | 1 | 0 | 0 | 0 | 0 | x | x | x | x | 0 | 0 | 0 | 1 | 0 |