

| Instruction | opcode<br>[17-14] | [13-10]   | [9-6]     | [5-2]     | [1-0] |
|-------------|-------------------|-----------|-----------|-----------|-------|
| ADD         | 0000              | DEST      | SRC1      | SRC2      | XX    |
| AND         | 0001              | DEST      | SRC1      | SRC2      | XX    |
| OR          | 0010              | DEST      | SRC1      | SRC2      | XX    |
| XOR         | 0011              | DEST      | SRC1      | SRC2      | XX    |
| ADDI        | 0100              | DEST      | SRC1      | IMMEDIATE |       |
| ANDI        | 0101              | DEST      | SRC1      | IMMEDIATE |       |
| ORI         | 0110              | DEST      | SRC1      | IMMEDIATE |       |
| XORI        | 0111              | DEST      | SRC1      | IMMEDIATE |       |
| JUMP        | 1000              | ADDRESS14 |           |           |       |
| LD          | 1001              | DEST      | ADDRESS10 |           |       |
| ST          | 1010              | SRC       | ADDRESS10 |           |       |
| BEQ         | 1011              | OP1       | OP2       | 010       | ADDR3 |
| BGT         | 1100              | OP1       | OP2       | 100       | ADDR3 |
| BLT         | 1101              | OP1       | OP2       | 001       | ADDR3 |
| BGE         | 1110              | OP1       | OP2       | 110       | ADDR3 |
| BLE         | 1111              | OP1       | OP2       | 011       | ADDR3 |

