| | | 空きには0を詰めてください | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 命令 | 形式 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | … | 25 | 24 | 23 | 22 | 21 | 20 | … | 16 | 15 | … | 11 | 10 | 09 | 08 | 07 | 06 | 05 | 04 | 03 | 02 | 01 | 00 |
| | | opcode | | | | | | | | | (funct) | | | | | | | | | | | | | | | funct(R) | | | | | |
| add | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 0 | 0 | 0 | 0 | **rt** | | | rd | | | | | | | | | | | | |
| sub | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 0 | 0 | 1 | 0 | **rt** | | | rd | | | | | | | | | | | | |
| addi | I | 1 | 0 | 1 | 0 | 0 | 1 | **rs** | | | 0 | 0 | 0 | 0 | rt | | | imm | | | | | | | | | | | | |
| subi | I | 1 | 0 | 1 | 0 | 0 | 1 | **rs** | | | 0 | 0 | 1 | 0 | rt | | | imm | | | | | | | | | | | | |
| fadd | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 0 | 0 | **ft** | | | fd | | | | | | | | | | | 0 | 0 |
| fadda | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 0 | 0 | **ft** | | | fd | | | | | | | | | | | 0 | 1 |
| faddn | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 0 | 0 | **ft** | | | fd | | | | | | | | | | | 1 | 0 |
| fsub | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 1 | 0 | **ft** | | | fd | | | | | | | | | | | 0 | 0 |
| fsuba | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 1 | 0 | **ft** | | | fd | | | | | | | | | | | 0 | 1 |
| fsubn | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 1 | 0 | **ft** | | | fd | | | | | | | | | | | 1 | 0 |
| fmul | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 0 | 1 | **ft** | | | fd | | | | | | | | | | | 0 | 0 |
| fmula | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 0 | 1 | **ft** | | | fd | | | | | | | | | | | 0 | 1 |
| fmuln | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 0 | 1 | **ft** | | | fd | | | | | | | | | | | 1 | 0 |
| finv | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 1 | 1 | | | | fd | | | | | | | | | | | 0 | 0 |
| finva | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 1 | 1 | | | | fd | | | | | | | | | | | 0 | 1 |
| finvn | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 0 | 1 | 1 | | | | fd | | | | | | | | | | | 1 | 0 |
| fabs | FR | 1 | 0 | 1 | 1 | 1 | 0 | **fs** | | | 1 | 1 | 1 | 1 | | | | fd | | | | | | | | | | | 0 | 1 |
| fneg | FR | 1 | 0 | 1 | 1 | 1 | 0 | **fs** | | | 1 | 1 | 1 | 1 | | | | fd | | | | | | | | | | | 1 | 0 |
| sqrt | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 1 | 0 | 0 | | | | fd | | | | | | | | | | | 0 | 0 |
| sqrta | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 1 | 0 | 0 | | | | fd | | | | | | | | | | | 0 | 1 |
| sqrtn | FR | 1 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 1 | 0 | 0 | | | | fd | | | | | | | | | | | 1 | 0 |
| itof | FR1 | 1 | 0 | 1 | 0 | 1 | 0 | **rs** | | | 1 | 1 | 0 | 1 | | | | fd | | | | | | | | | | | | |
| ftoi | FR2 | 1 | 0 | 1 | 1 | 0 | 0 | **fs** | | | 1 | 1 | 0 | 1 | | | | rd | | | | | | | | | | | | |
| floor | FR | 1 | 0 | 1 | 1 | 1 | 0 | **fs** | | | 0 | 1 | 1 | 0 | | | | fd | | | | | | | | | | | | |
| and | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 0 | 1 | 0 | 0 | **rt** | | | rd | | | | | | | | | | | | |
| or | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 0 | 1 | 1 | 0 | **rt** | | | rd | | | | | | | | | | | | |
| nor | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 0 | 1 | 1 | 1 | **rt** | | | rd | | | | | | | | | | | | |
| xor | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 0 | 1 | 0 | 1 | **rt** | | | rd | | | | | | | | | | | | |
| andi | I | 1 | 0 | 1 | 0 | 0 | 1 | **rs** | | | 0 | 1 | 0 | 0 | rt | | | imm | | | | | | | | | | | | |
| ori | I | 1 | 0 | 1 | 0 | 0 | 1 | **rs** | | | 0 | 1 | 1 | 0 | rt | | | imm | | | | | | | | | | | | |
| sll | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 1 | 0 | 0 | 0 | | | | rd | | | amt | | | | | | | | | |
| srl | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 1 | 0 | 1 | 0 | | | | rd | | | amt | | | | | | | | | |
| sra | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 1 | 0 | 1 | 1 | | | | rd | | | amt | | | | | | | | | |
| r2r | R | 1 | 0 | 1 | 0 | 0 | 0 | **rs** | | | 1 | 1 | 1 | 1 | | | | rd | | | | | | | | | | | | |
| f2f | FR | 1 | 0 | 1 | 1 | 1 | 0 | **fs** | | | 1 | 1 | 1 | 1 | | | | fd | | | | | | | | | | | | |
| r2f | FR1 | 1 | 0 | 1 | 0 | 1 | 0 | **rs** | | | 1 | 1 | 1 | 1 | | | | fd | | | | | | | | | | | | |
| f2r | FR2 | 1 | 0 | 1 | 1 | 0 | 0 | **fs** | | | 1 | 1 | 1 | 1 | | | | rd | | | | | | | | | | | | |
| lui | I | 1 | 0 | 1 | 0 | 0 | 1 | **rs** | | | 1 | 1 | 1 | 0 | rt | | | imm | | | | | | | | | | | | |
| lli | I | 1 | 0 | 1 | 0 | 0 | 1 | **rs** | | | 1 | 1 | 0 | 0 | rt | | | imm | | | | | | | | | | | | |
| flui | FI | 1 | 0 | 1 | 1 | 1 | 1 | **fs** | | | 1 | 1 | 1 | 0 | ft | | | imm | | | | | | | | | | | | |
| flli | FI | 1 | 0 | 1 | 1 | 1 | 1 | **fs** | | | 1 | 1 | 0 | 0 | ft | | | imm | | | | | | | | | | | | |
| lw | R | 0 | 0 | 1 | 1 | 0 | 0 | **rs** | | | | | | | **rt** | | | rd | | | | | | | | | | | | |
| lwi | I | 0 | 0 | 1 | 1 | 0 | 1 | **rs** | | | | | | | rt | | | imm | | | | | | | | | | | | |
| flw | FR1 | 0 | 0 | 1 | 1 | 1 | 0 | **rs** | | | | | 0 | 0 | **rt** | | | fd | | | | | | | | | | | | |
| flwa | FR1 | 0 | 0 | 1 | 1 | 1 | 0 | **rs** | | | | | 0 | 1 | **rt** | | | fd | | | | | | | | | | | | |
| flwn | FR1 | 0 | 0 | 1 | 1 | 1 | 0 | **rs** | | | | | 1 | 0 | **rt** | | | fd | | | | | | | | | | | | |
| flwi | FI1 | 0 | 0 | 1 | 1 | 1 | 1 | **rs** | | | | | 0 | 0 | ft | | | imm | | | | | | | | | | | | |
| flwia | FI1 | 0 | 0 | 1 | 1 | 1 | 1 | **rs** | | | | | 0 | 1 | ft | | | imm | | | | | | | | | | | | |
| flwin | FI1 | 0 | 0 | 1 | 1 | 1 | 1 | **rs** | | | | | 1 | 0 | ft | | | imm | | | | | | | | | | | | |
| sw | R | 0 | 0 | 1 | 0 | 0 | 0 | **rs** | | | | | | | **rt** | | | **rd** | | | | | | | | | | | | |
| swi | I | 0 | 0 | 1 | 0 | 0 | 1 | **rs** | | | | | | | **rt** | | | imm | | | | | | | | | | | | |
| fsw | FR1 | 0 | 0 | 1 | 0 | 1 | 0 | **rs** | | | | | | | **rt** | | | **fd** | | | | | | | | | | | | |
| fswi | FI1 | 0 | 0 | 1 | 0 | 1 | 1 | **rs** | | | | | | | **ft** | | | imm | | | | | | | | | | | | |
| in | R | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | | | | | | rd | | | | | | | | | | | | |
| fin | FR | 0 | 0 | 0 | 0 | 1 | 1 | | | | | | | | | | | fd | | | | | | | | | | | | |
| outa | R | 0 | 0 | 0 | 0 | 0 | 0 | **rs** | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| outb | R | 0 | 0 | 0 | 0 | 0 | 0 | **rs** | | | | | | | | | | | | | | | | | | | | | 1 | 0 |
| outc | R | 0 | 0 | 0 | 0 | 0 | 0 | **rs** | | | | | | | | | | | | | | | | | | | | | 0 | 1 |
| outd | R | 0 | 0 | 0 | 0 | 0 | 0 | **rs** | | | | | | | | | | | | | | | | | | | | | 0 | 0 |
| fouta | FR | 0 | 0 | 0 | 0 | 0 | 1 | **fs** | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| foutb | FR | 0 | 0 | 0 | 0 | 0 | 1 | **fs** | | | | | | | | | | | | | | | | | | | | | 1 | 0 |
| foutc | FR | 0 | 0 | 0 | 0 | 0 | 1 | **fs** | | | | | | | | | | | | | | | | | | | | | 0 | 1 |
| foutd | FR | 0 | 0 | 0 | 0 | 0 | 1 | **fs** | | | | | | | | | | | | | | | | | | | | | 0 | 0 |
| j | I | 0 | 0 | 0 | 1 | 0 | 1 | | | | | | | | | | | imm | | | | | | | | | | | | |
| jl | I | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | imm | | | | | | | | | | | | |
| jr | R | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | | | | | | **rd** | | | | | | | | | | | | |
| jlr | R | 0 | 0 | 0 | 1 | 1 | 0 | | | | | | | | | | | **rd** | | | | | | | | | | | | |
| beq | I | 0 | 1 | 0 | 0 | 0 | 0 | **rs** | | | 1 | | | | **rt** | | | imm | | | | | | | | | | | | |
| beqi | IT | 0 | 1 | 0 | 0 | 1 | 1 | **rs** | | | 1 | | | | immt | | | imm | | | | | | | | | | | | |
| fbeq | FI | 0 | 1 | 0 | 0 | 1 | 0 | **fs** | | | 1 | | | | **ft** | | | imm | | | | | | | | | | | | |
| bne | I | 0 | 1 | 1 | 1 | 0 | 0 | **rs** | | | 1 | | | | **rt** | | | imm | | | | | | | | | | | | |
| bnei | IT | 0 | 1 | 1 | 1 | 1 | 1 | **rs** | | | 1 | | | | immt | | | imm | | | | | | | | | | | | |
| fbne | FI | 0 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 1 | | | | **ft** | | | imm | | | | | | | | | | | | |
| blte | I | 0 | 1 | 0 | 1 | 0 | 0 | **rs** | | | 1 | | | | **rt** | | | imm | | | | | | | | | | | | |
| bltei | IT | 0 | 1 | 0 | 1 | 1 | 1 | **rs** | | | 1 | | | | immt | | | imm | | | | | | | | | | | | |
| fblte | FI | 0 | 1 | 0 | 1 | 1 | 0 | **fs** | | | 1 | | | | **ft** | | | imm | | | | | | | | | | | | |
| bgte | I | 0 | 1 | 1 | 0 | 0 | 0 | **rs** | | | 1 | | | | **rt** | | | imm | | | | | | | | | | | | |
| bgtei | IT | 0 | 1 | 1 | 0 | 1 | 1 | **rs** | | | 1 | | | | immt | | | imm | | | | | | | | | | | | |
| fbgte | FI | 0 | 1 | 1 | 0 | 1 | 0 | **fs** | | | 1 | | | | **ft** | | | imm | | | | | | | | | | | | |
| beqr | | 0 | 1 | 0 | 0 | 0 | 0 | **rs** | | | 0 | | | | **rt** | | | **rd** | | | | | | | | | | | | |
| beqir | | 0 | 1 | 0 | 0 | 1 | 1 | **rs** | | | 0 | | | | immt | | | **rd** | | | | | | | | | | | | |
| fbeqr | | 0 | 1 | 0 | 0 | 1 | 0 | **fs** | | | 0 | | | | **ft** | | | **rd** | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| bner | | 0 | 1 | 1 | 1 | 0 | 0 | **rs** | | | 0 | | | | **rt** | | | **rd** | | | | | | | | | | | | | |
| bneir | | 0 | 1 | 1 | 1 | 1 | 1 | **rs** | | | 0 | immt | | | | | | **rd** | | | | | | | | | | | | | |
| fbner | | 0 | 1 | 1 | 1 | 1 | 0 | **fs** | | | 0 | | | | **ft** | | | **rd** | | | | | | | | | | | | | |
| blter | | 0 | 1 | 0 | 1 | 0 | 0 | **rs** | | | 0 | | | | **rt** | | | **rd** | | | | | | | | | | | | | |
| blteir | | 0 | 1 | 0 | 1 | 1 | 1 | **rs** | | | 0 | immt | | | | | | **rd** | | | | | | | | | | | | | |
| fblter | | 0 | 1 | 0 | 1 | 1 | 0 | **fs** | | | 0 | | | | **ft** | | | **rd** | | | | | | | | | | | | | |
| bgter | | 0 | 1 | 1 | 0 | 0 | 0 | **rs** | | | 0 | | | | **rt** | | | **rd** | | | | | | | | | | | | | |
| bgteir | | 0 | 1 | 1 | 0 | 1 | 1 | **rs** | | | 0 | immt | | | | | | | | | | | | | | | | | | | |
| fbgter | | 0 | 1 | 1 | 0 | 1 | 0 | **fs** | | | 0 | | | | **ft** | | | **rd** | | | | | | | | | | | | | |
| nop | - | 1 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| halt | - | 1 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |