

| 31:25                           |        | 24:20  |        | 19:15  | 14:12                 | 11:7   | 6:0 |         |
|---------------------------------|--------|--------|--------|--------|-----------------------|--------|-----|---------|
| funct7                          |        | rs2    | rs1    | funct3 | rd                    | op     |     | R-Type  |
| imm <sub>11:0</sub>             |        |        | rs1    | funct3 | rd                    | op     |     | I-Type  |
| imm <sub>11:5</sub>             |        | rs2    | rs1    | funct3 | imm <sub>4:0</sub>    | op     |     | S-Type  |
| imm <sub>12,10:5</sub>          |        | rs2    | rs1    | funct3 | imm <sub>4:1,11</sub> | op     |     | B-Type  |
| imm <sub>31:12</sub>            |        |        |        |        | rd                    | op     |     | U-Type  |
| imm <sub>20,10:1,11,19:12</sub> |        |        |        |        | rd                    | op     |     | J-Type  |
| fs3                             | funct2 | fs2    | fs1    | funct3 | fd                    | op     |     | R4-Type |
| 5 bits                          | 2 bits | 5 bits | 5 bits | 3 bits | 5 bits                | 7 bits |     |         |