



















| Superscalar MIPS | | | | | | | | |
|------------------|-----------------|----|----|-----|-----|-----|-----|----|
| instruct type | Pipeline stages | | | | | | | |
| ALU or Bra | IF | ID | EX | MEM | WB | | | |
| mem | IF | ID | EX | MEM | WB | | | |
| ALU or Bra | | IF | ID | EX | MEM | WB | | |
| mem | - | IF | ID | EX | MEM | WB | | |
| ALU or Bra | 1 | | IF | ID | EX | MEM | WB | |
| mem | 1 | | IF | ID | EX | MEM | WB | |
| ALU or Bra | 1 | - | 1 | IF | ID | EX | MEM | WB |
| mem | 1 | + | | IF | ID | EX | MEM | WB |



