IF Instruction Fetch	ID Instruction Decode	EX Execution	ME Memory Access	WB Write Back

ALU Instructions: `op $x,$y,$z  # $x ← $y + $z`

Instr. Fetch & PC Increm.	Read of Source Regs. `$y` and `$z`	ALU Op. (`$y op $z`)		Write Back Destinat. Reg. `$x`

Load Instructions: `lw $x,offset($y)  # $x ← M[$y + offset]`

Instr. Fetch & PC Increm.	Read of Base Reg. `$y`	ALU Op. (`$y+offset`)	Read Mem. `M($y+offset)`	Write Back Destinat. Reg. `$x`

Store Instructions: `sw $x,offset($y)  # M[$y + offset]← $x`

Instr. Fetch & PC Increm.	Read of Base Reg. `$y` & Source `$x`	ALU Op. (`$y+offset`)	Write Mem. `M($y+offset)`	

Conditional Branches: `beq $x,$y,offset`

Instr. Fetch & PC Increm.	Read of Source Regs. `$x` and `$y`	ALU Op. (`$x-$y`) & (`PC+4+offset`)	Write PC	