# Milestone #4 Pipeline Execution Diagram

-Prepared by Prof. Su

| | cc0 | cc1 | cc2 | cc3 | cc4 | cc5 | cc6 | cc7 | cc8 | cc9 | cc10 | cc11 | cc12 | cc13 | cc14 | cc15 | cc16 | cc17 | cc18 | cc19 | cc20 | cc21 | cc22 | cc22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| addi $3, $0, x800 | F | D | E | M | W | | | | | | | | | | | | | | | | | | | |
| add $3, $3, $3 | | F | D | E | M | W | | | | | | | | | | | | | | | | | | |
| add $3, $3, $3 | | | F | D | E | M | W | | | | | | | | | | | | | | | | | |
| lui $2, 0xFFFF | | | | F | D | E | M | W | | | | | | | | | | | | | | | | |
| or $2, $3, $2 | | | | | F | D | E | M | W | | | | | | | | | | | | | | | |
| lui $sp, 2 | | | | | | F | D | E | M | W | | | | | | | | | | | | | | |
| addiu $sp, $sp, 1060 | | | | | | | F | D | E | M | W | | | | | | | | | | | | | |
| sw $2, 0($sp) | | | | | | | | F | D | E | M | W | | | | | | | | | | | | |
| lui $9, 0 | | | | | | | | | F | D | E | M | W | | | | | | | | | | | |
| addiu $9, $9, 1056 | | | | | | | | | | F | D | E | M | W | | | | | | | | | | |
| lw $10, 0($9) | | | | | | | | | | | F | D | E | M | W | | | | | | | | | |
| lw $3, 0($sp) | | | | | | | | | | | | F | D | E | M | W | | | | | | | | |
| sw $10, 16($3) | | | | | | | | | | | | | F | D | – | E | M | W | | | | | | |
| lw $10, -4($9) | | | | | | | | | | | | | | F | – | D | E | M | W | | | | | |
| lw $3, 0($sp) | | | | | | | | | | | | | | | | F | D | E | M | W | | | | |