| Instructions        | 1  | 2  | 3     | 4     | 5     | 6  | 7   | 8   | 9   | 10  | 11  | 12 |
|---------------------|----|----|-------|-------|-------|----|-----|-----|-----|-----|-----|----|
| add \$2, \$1, \$4   | IF | DE | EXE   | MEM   | WB    |    |     |     |     |     |     |    |
| add \$5, \$2, \$6   |    | IF | bulle | bulle | bulle | DE | EXE | MEM | WB  |     |     |    |
| add \$16, \$17, \$2 |    |    |       |       |       | IF | 305 | EXE | MEM | WB  |     |    |
| add \$17, \$2, \$2  |    |    |       |       |       |    | IF  | DE  | EXE | MEM | WB  |    |
| sw \$8, 24(\$2)     |    |    |       |       |       |    |     | IF  | DE  | EXE | MEM | WB |
|                     |    |    |       |       |       |    |     |     |     |     |     |    |
|                     |    |    |       |       |       |    |     |     |     |     |     |    |
|                     |    |    |       |       |       |    |     |     |     |     |     |    |