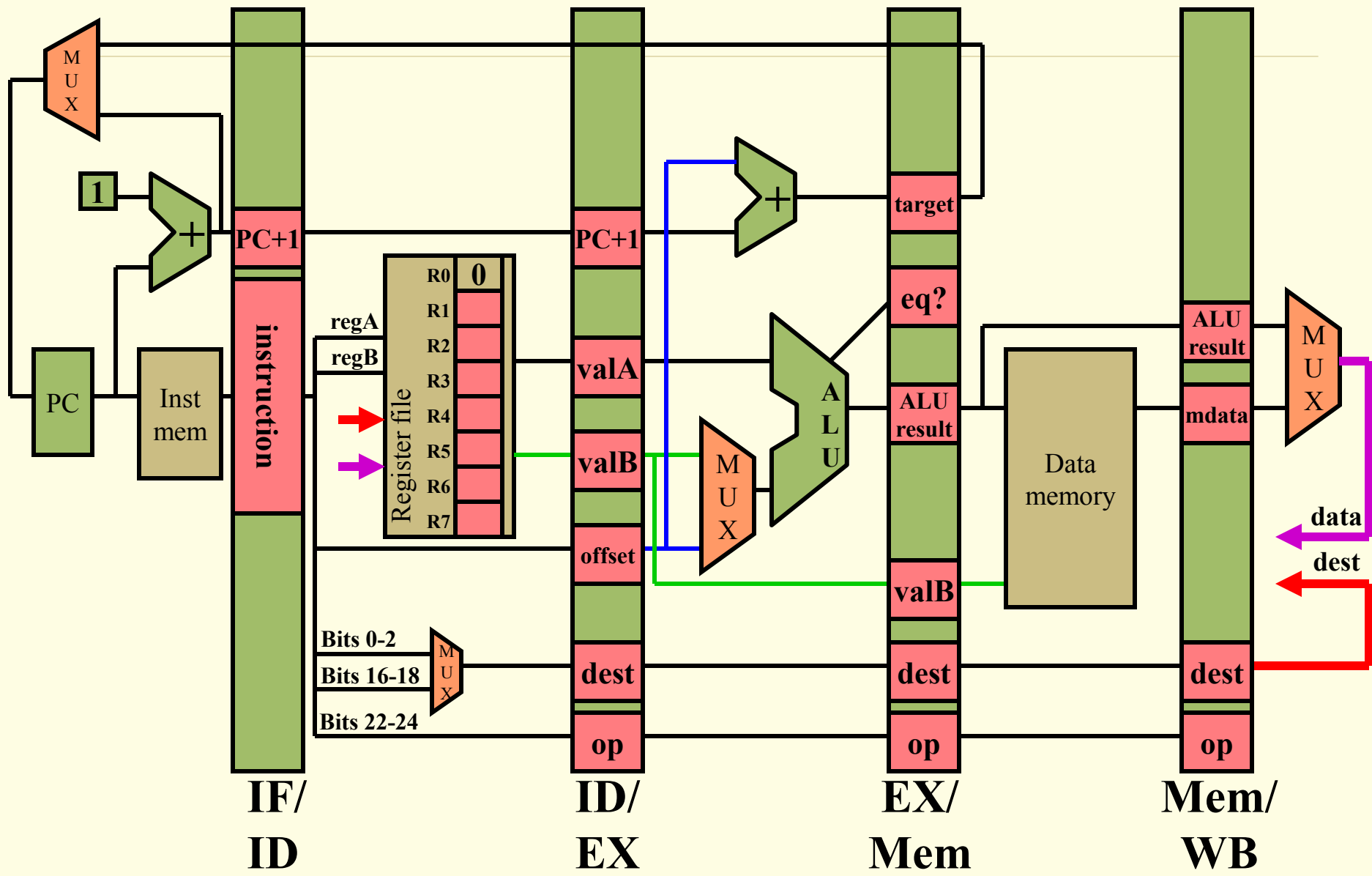
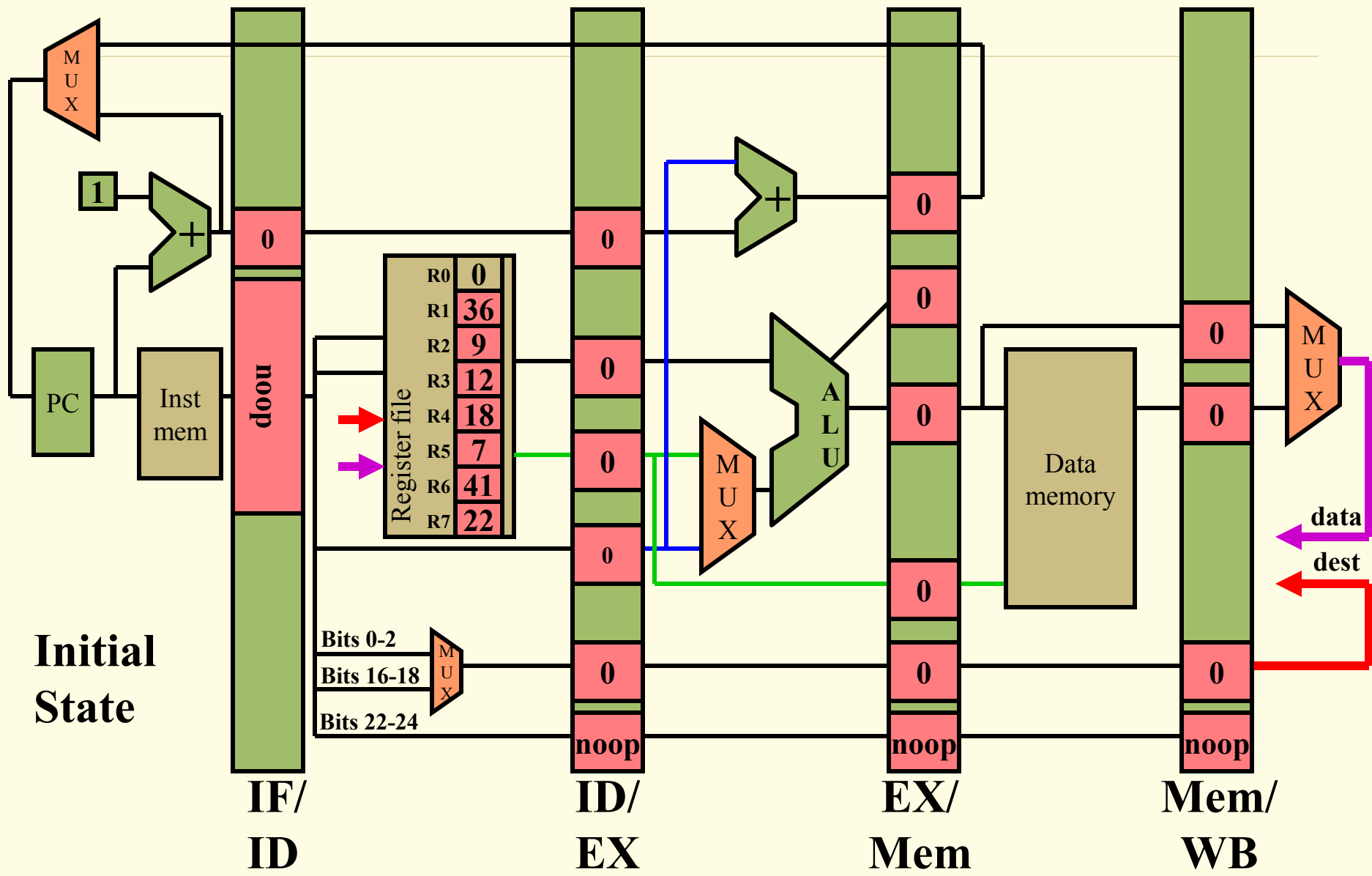


Sample Code (Simple)

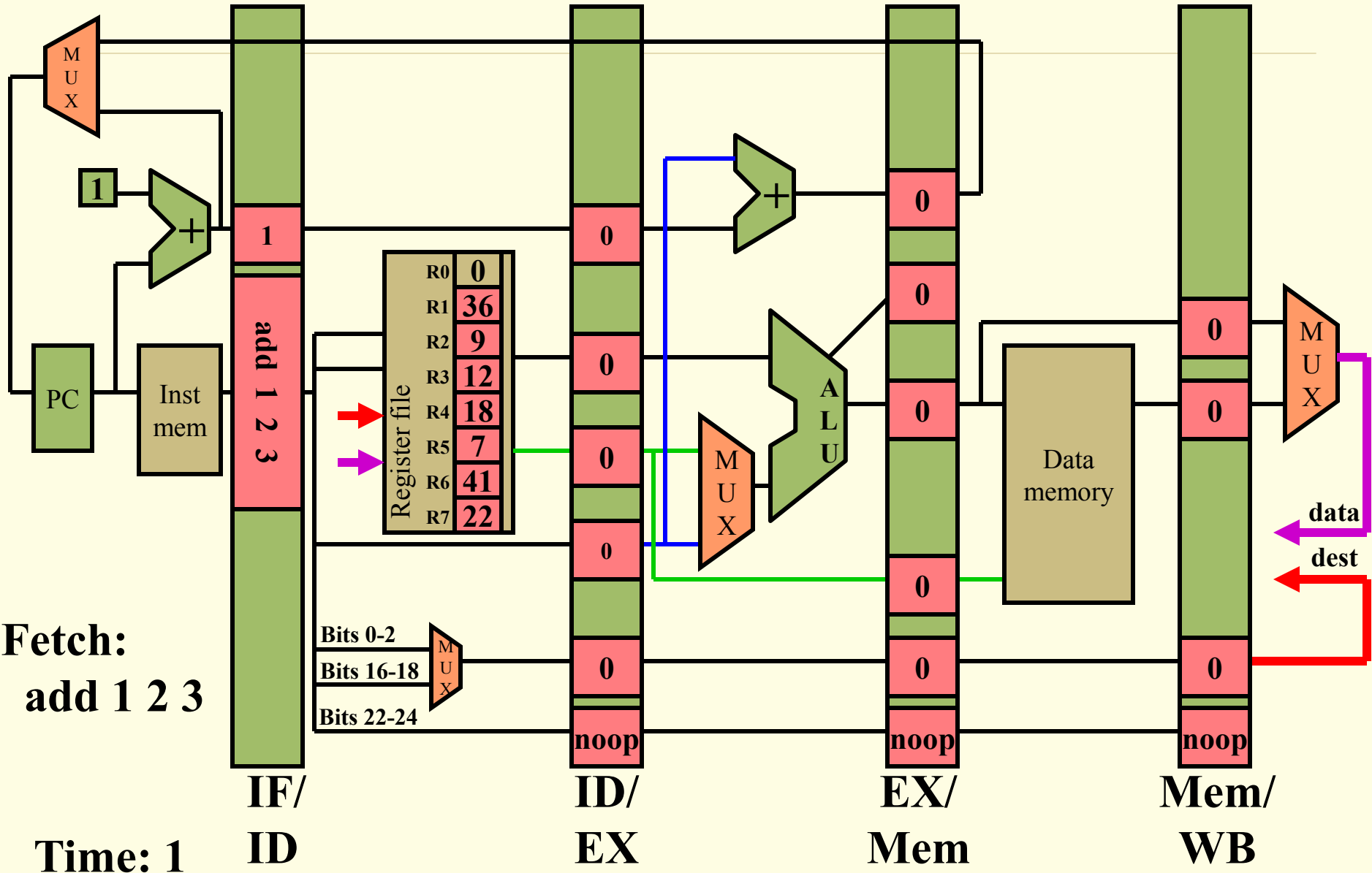
- Run the following code on a pipelined datapath:

```
add    1    2    3    ; reg 3 = reg 1 + reg 2
nand   4    5    6    ; reg 6 = reg 4 & reg 5
lw     2    4    20   ; reg 4 = Mem[reg2+20]
add    2    5    5    ; reg 5 = reg 2 + reg 5
sw     3    7    10   ; Mem[reg3+10] = reg 7
```





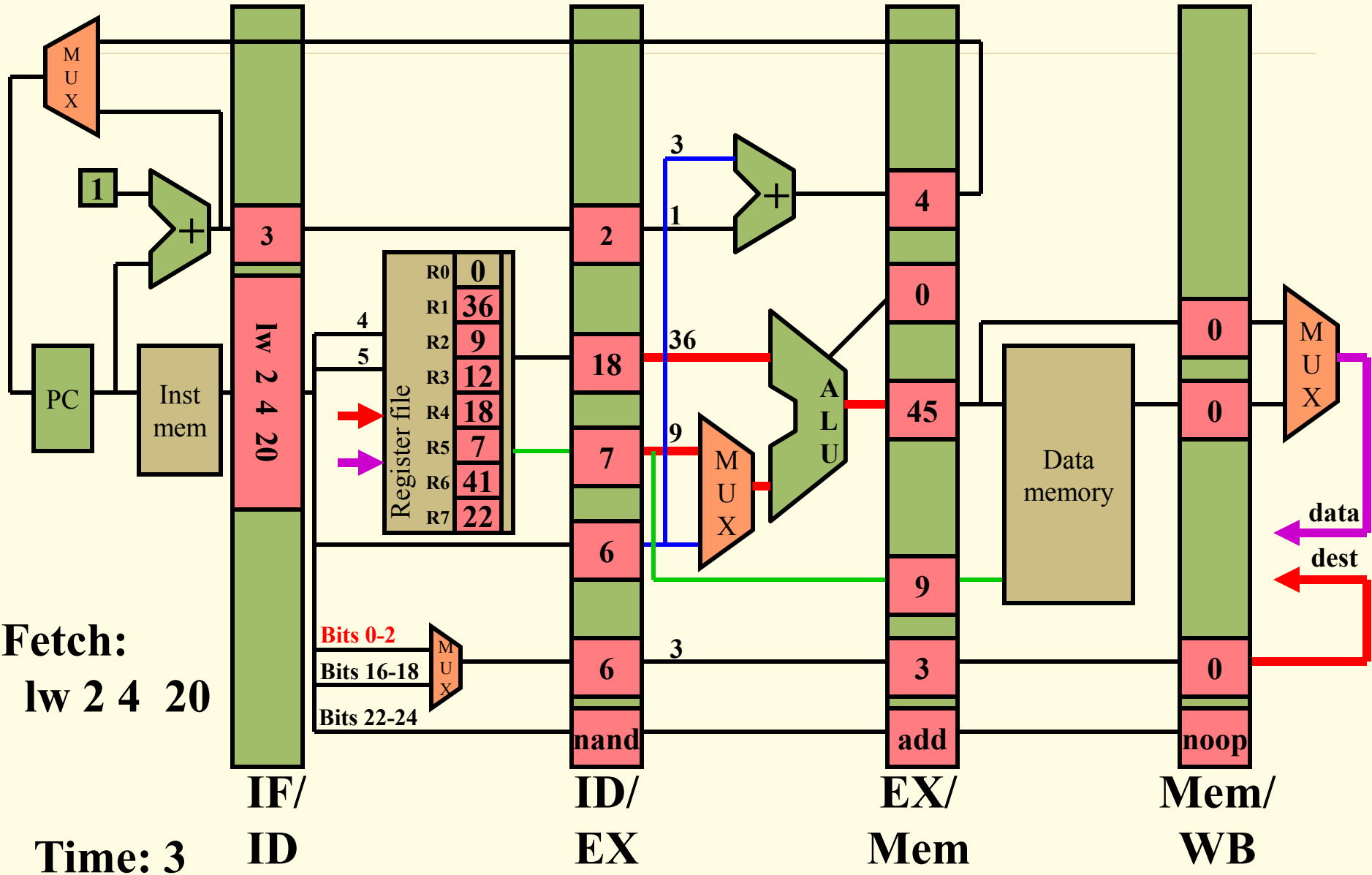
add 1 2 3



lw 2 4 20

nand 4 5 6

add 1 2 3

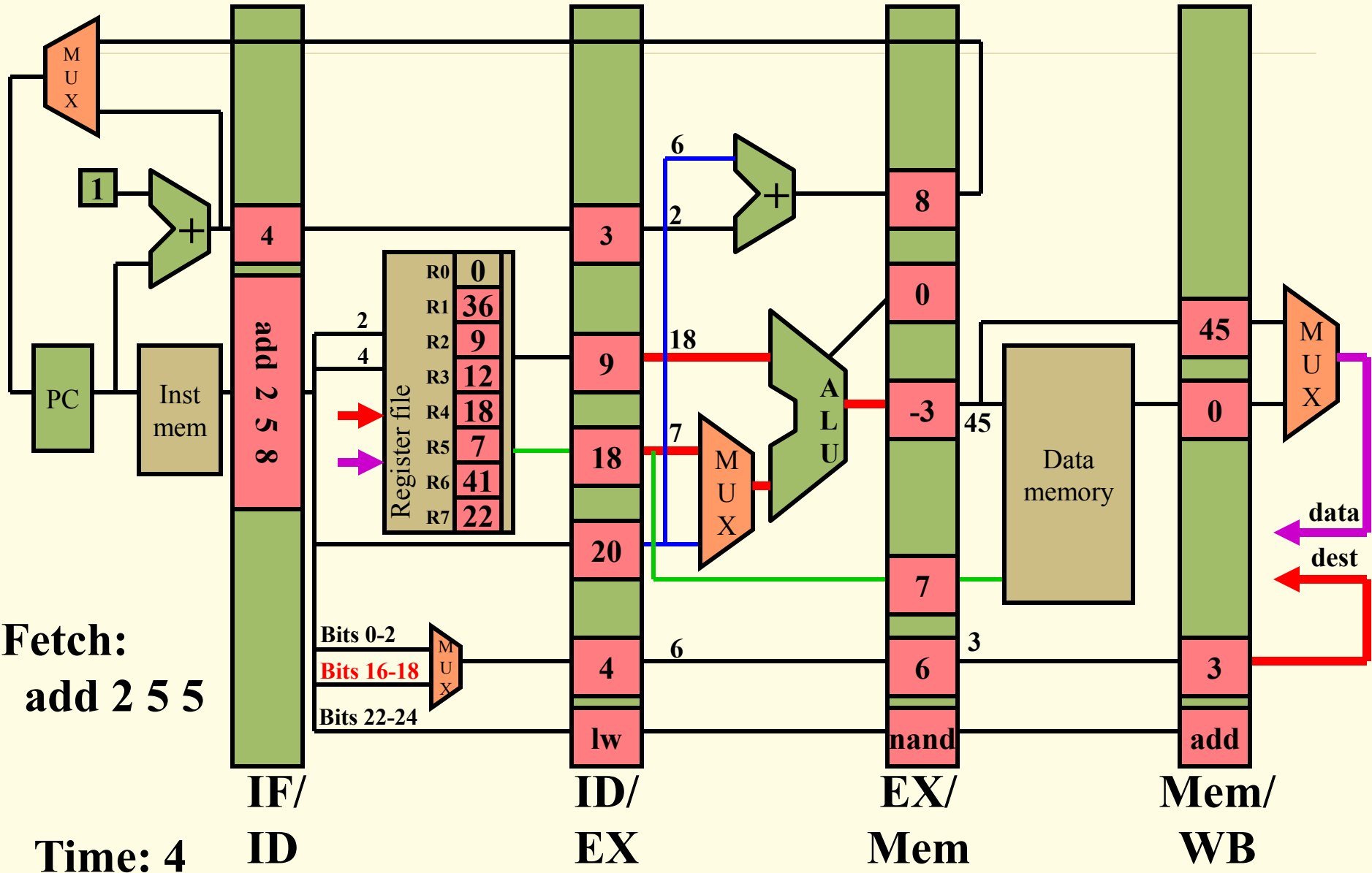


add 2 5 5

lw 2 4 20

nand 4 5 6

add 1 2 3



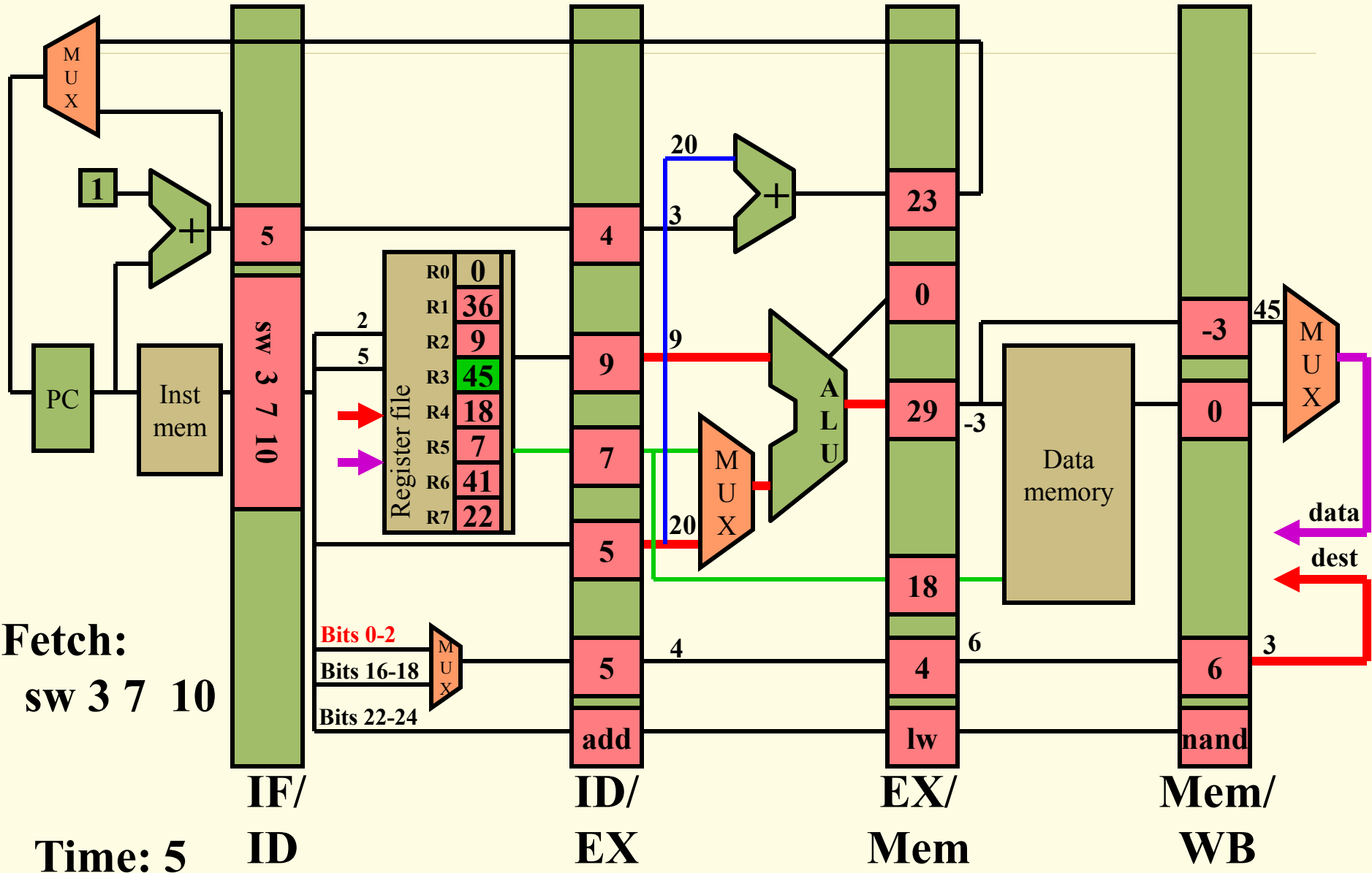
sw 3 7 10

add 2 5 5

lw 2 4 20

nand 4 5 6

add

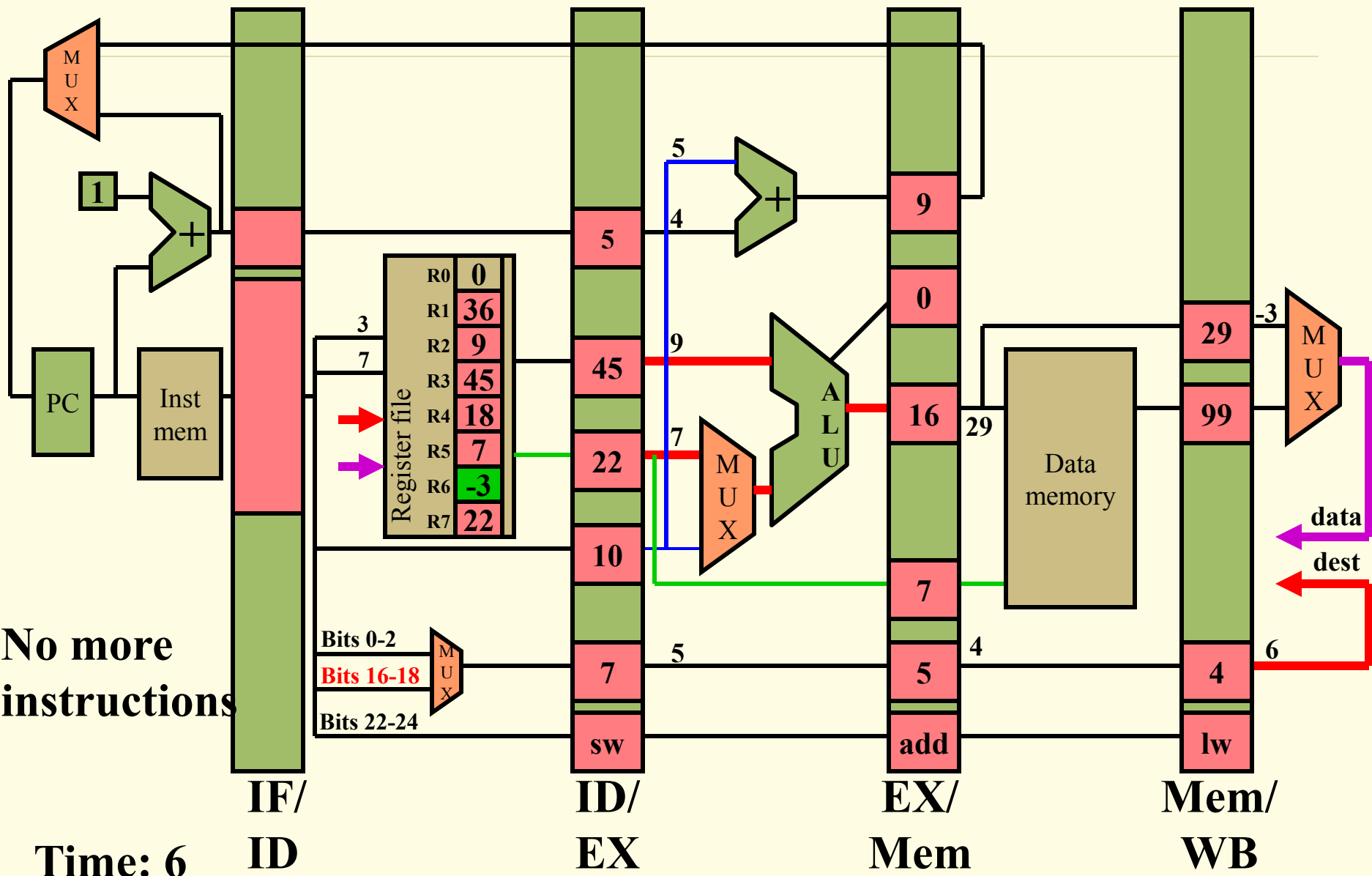


sw 3 7 10

add 2 5 5

lw 2 4 20

nand



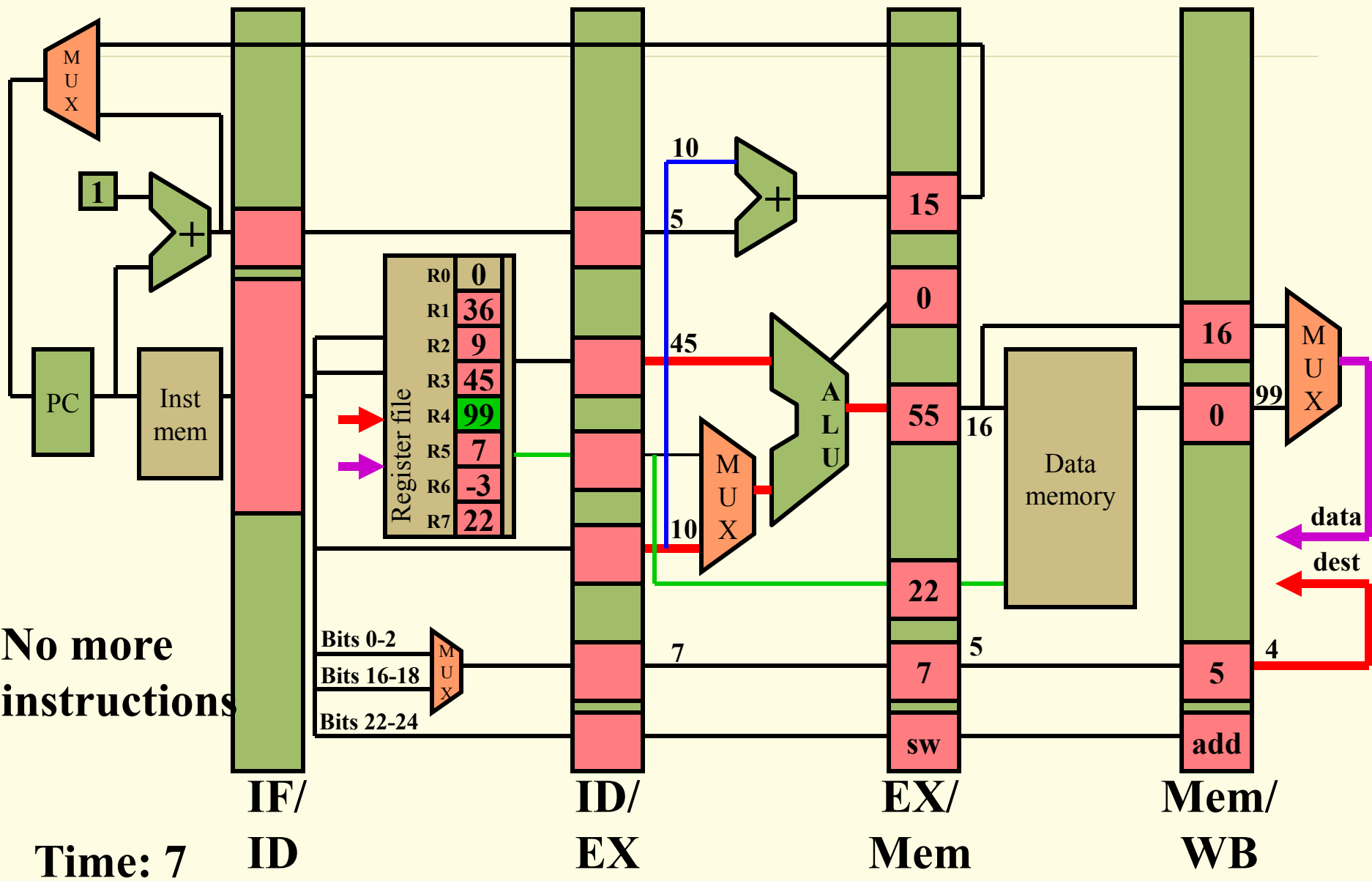
No more instructions

Time: 6

sw 3 7 10

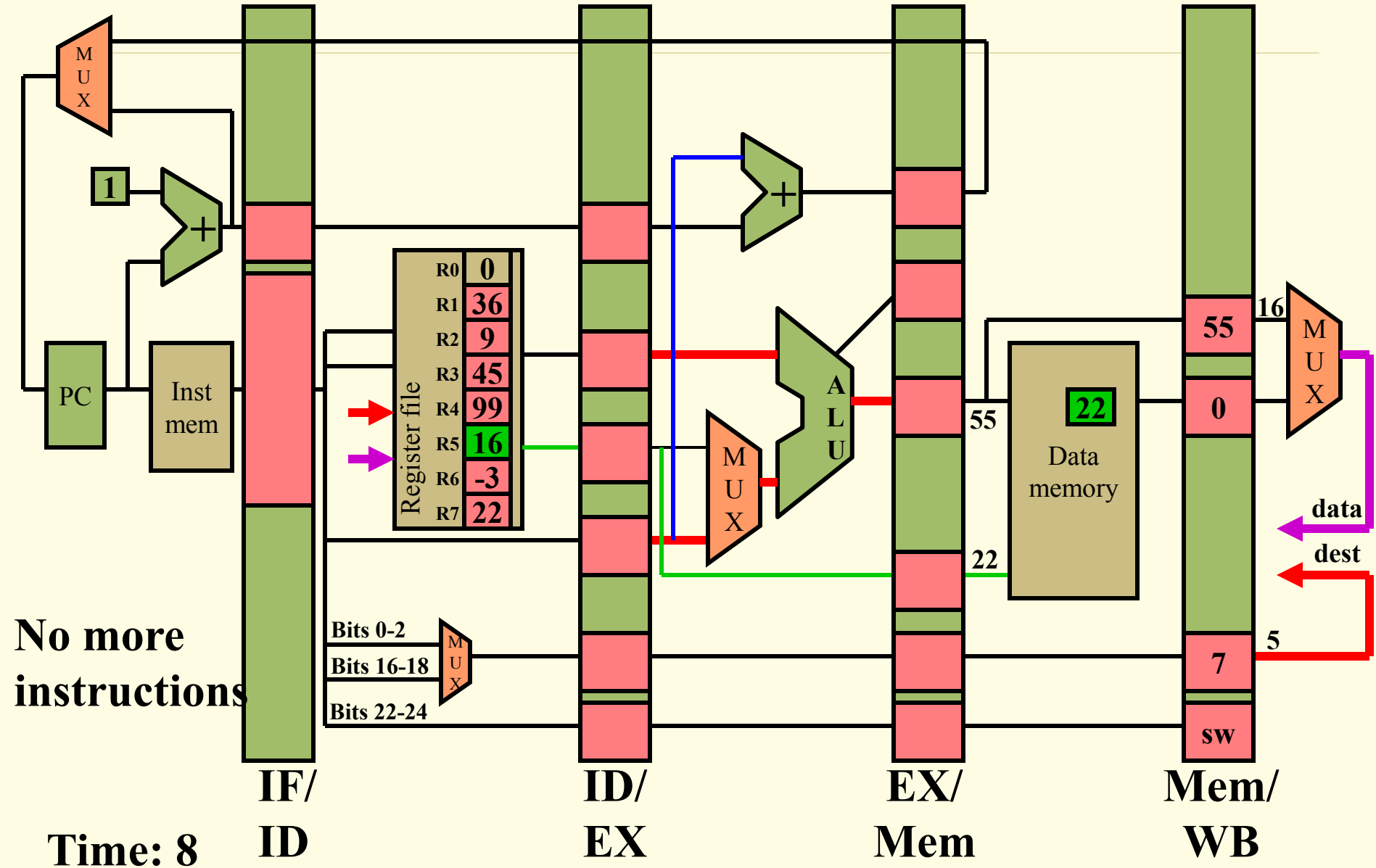
add 2 5 5

lw

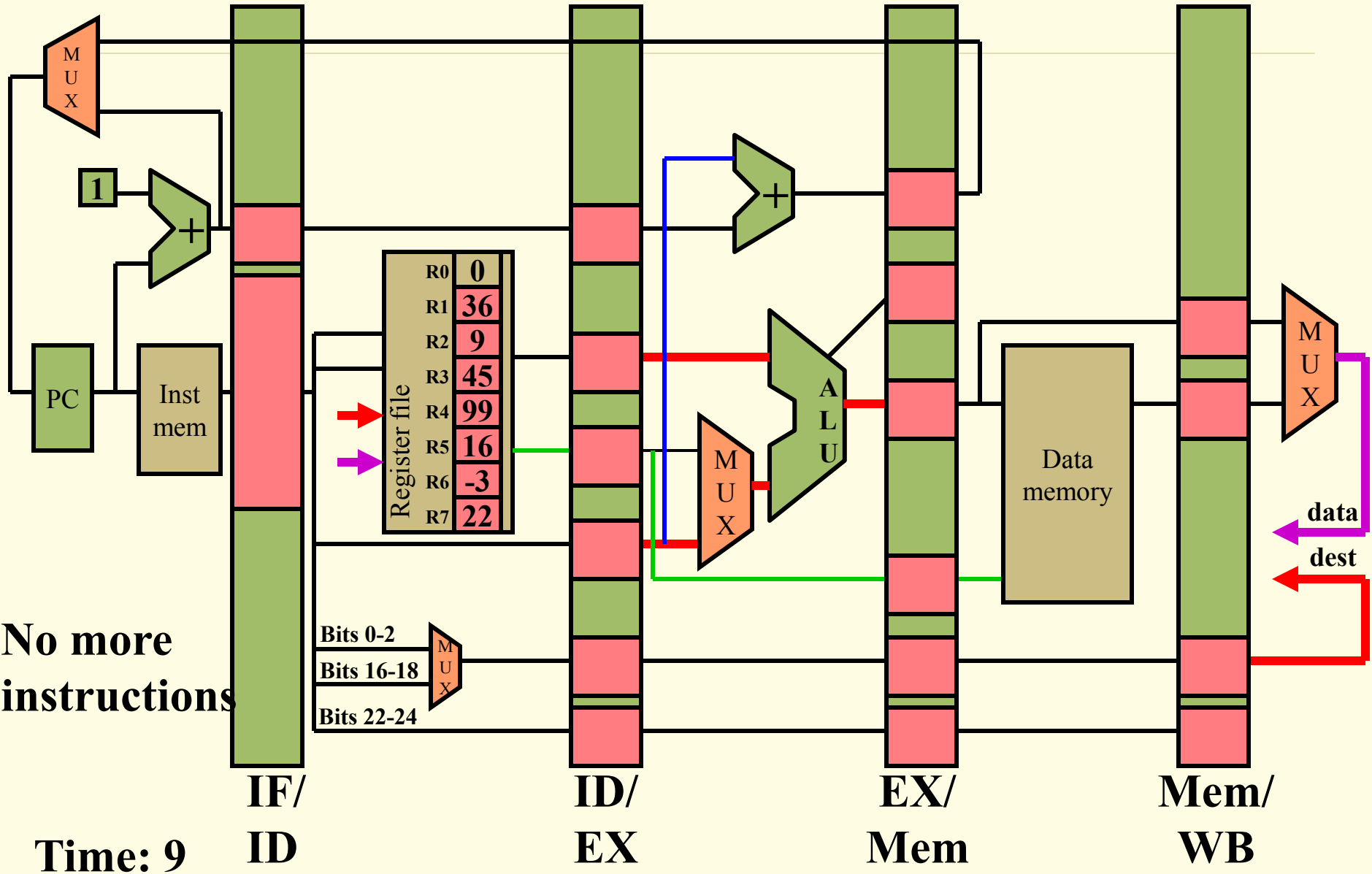


sw 3 7 10

add



SW



Time graphs

