Lab 5 – Part 3

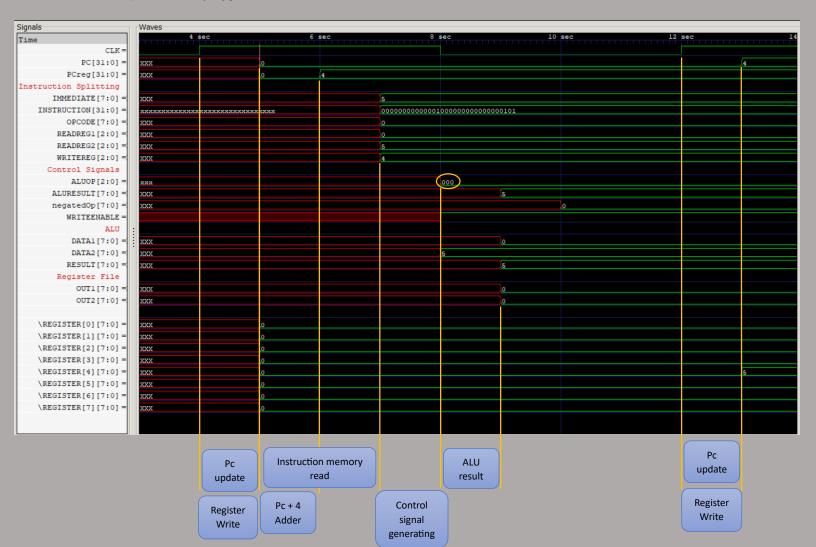
Group 49

Timing Diagrams

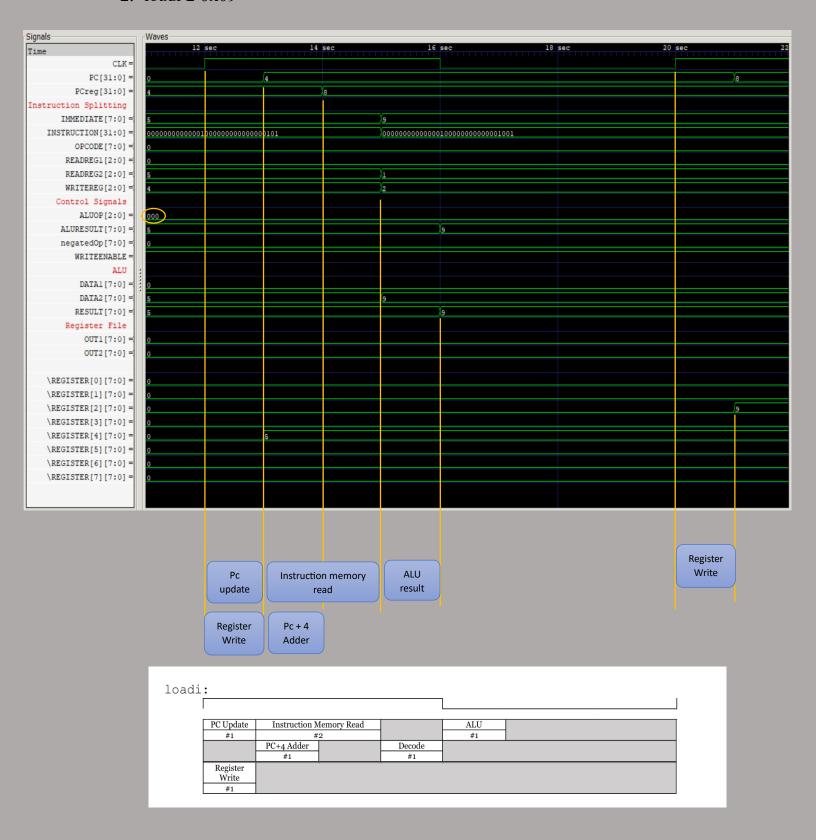
Instructions

```
sample_program.s
     //This is a sample assembly program for CO224 Lab 5
     loadi 4 0x05
                     // r4 = 5
     loadi 2 0x09
                     // r2 = 9
     add 6 4 2
                     // r6 = r4 + r2
     mov 0 6
                     // r0 = r6
    loadi 1 0x01
                     // r1 = 1
                     // r2 = r2 + r1 (r2++)
     add 2 2 1
8
     //j 0xFB
                         // jump to line 4
```

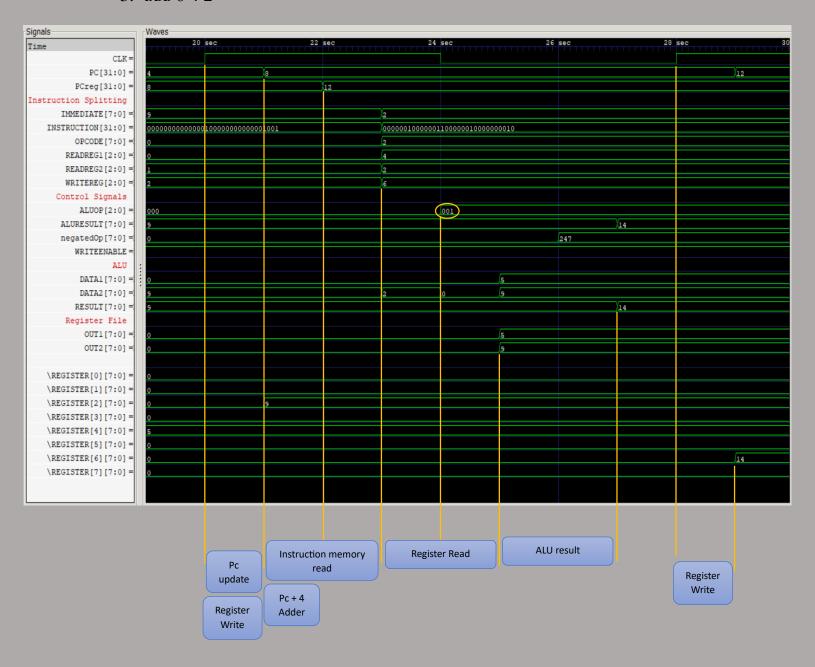
1. loadi 4 0x05

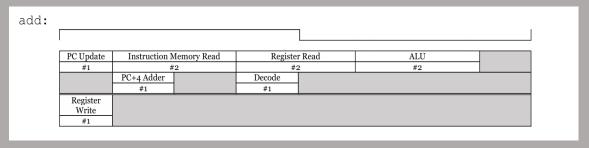


2. loadi 2 0x09

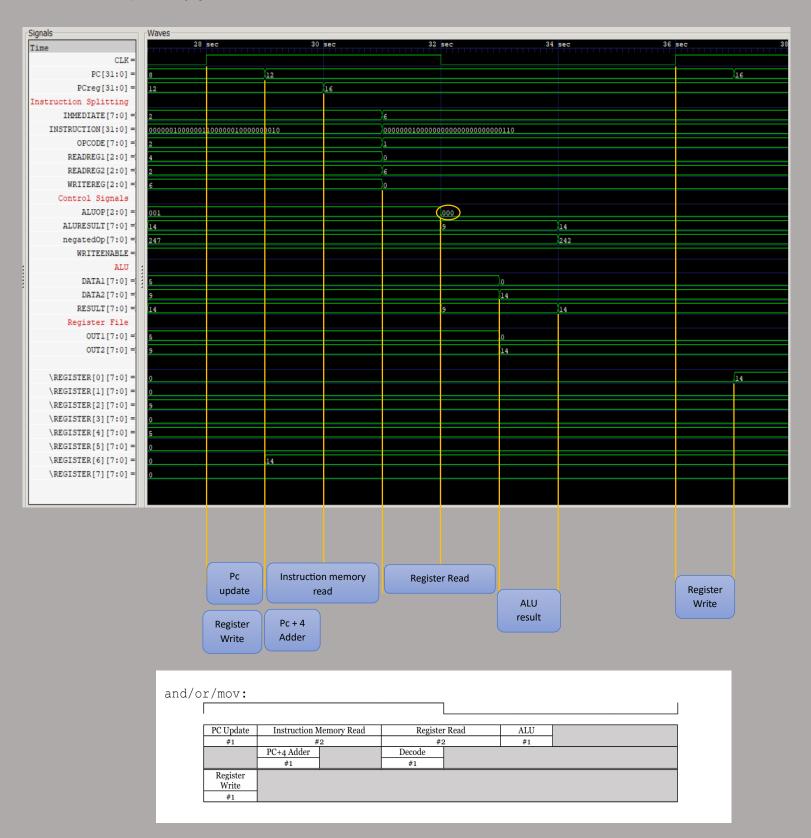


3. add 6 4 2

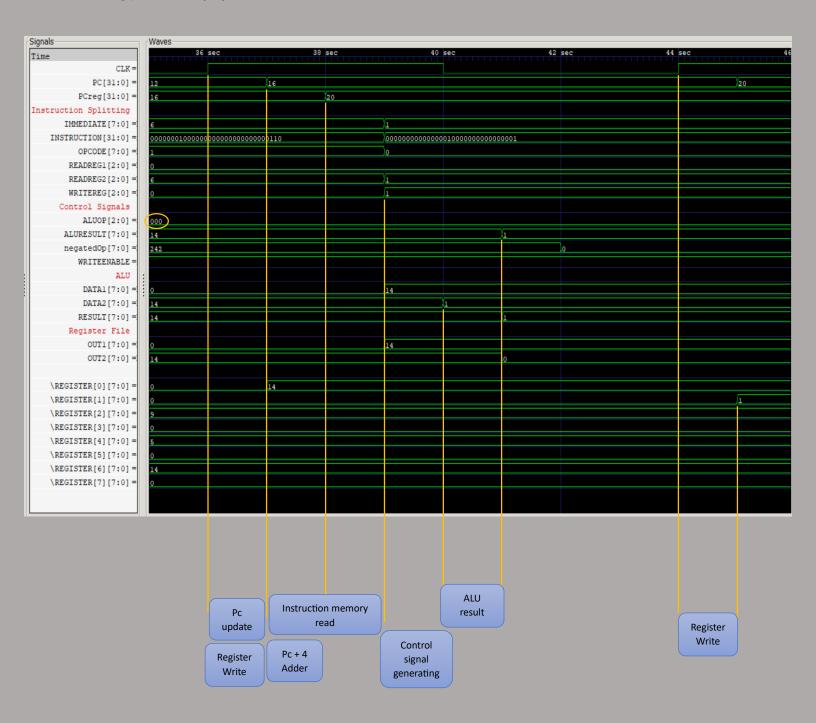




4. mov 0 6



5. loadi 1 0x01





6. add 2 2 1

