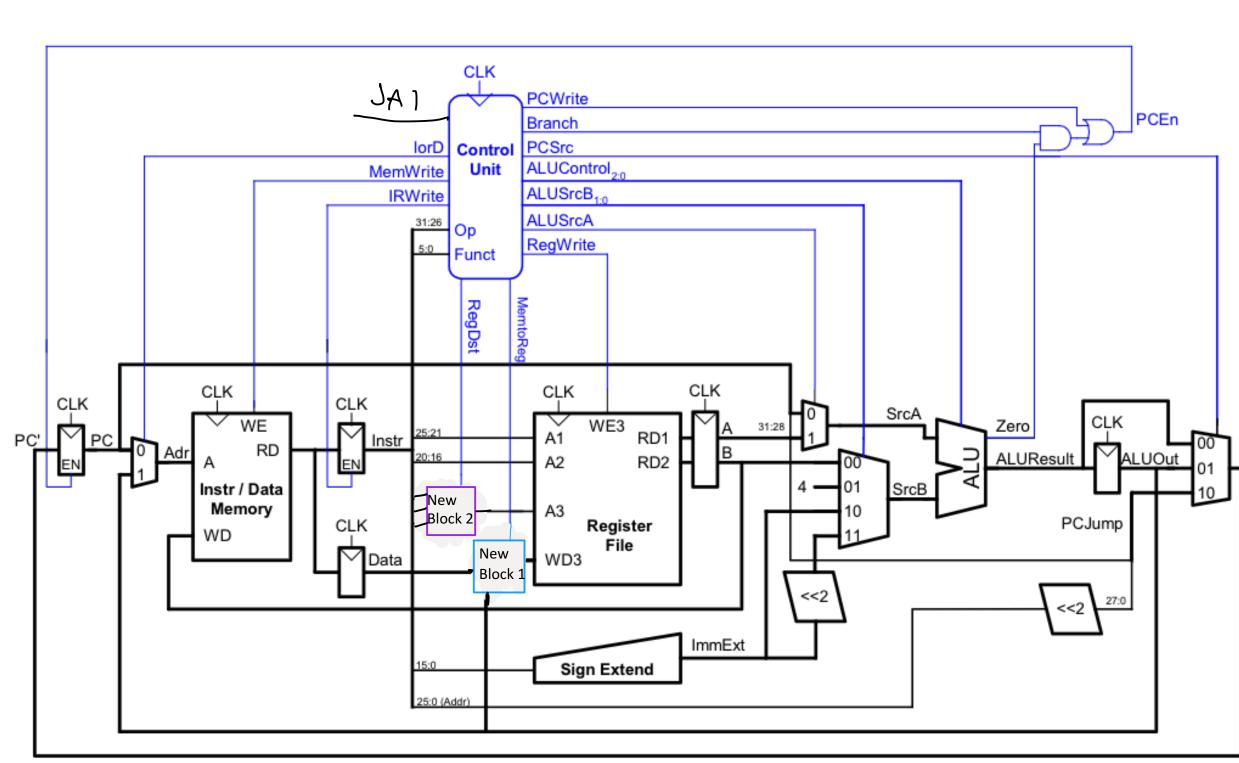
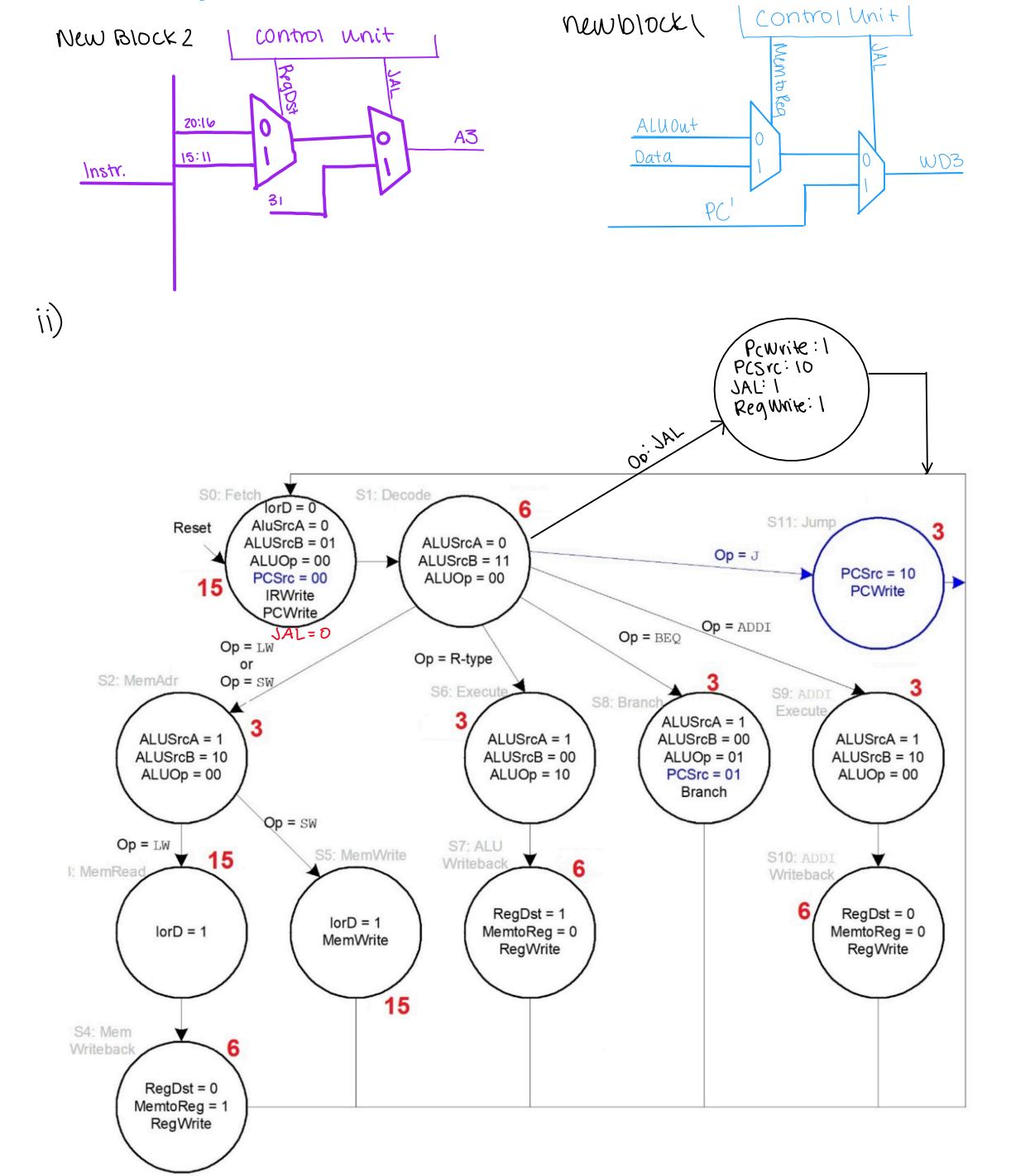
i)





02

```
i) 15 ns blc It is the time of the longest cycle
```

iv) Execution time = # instructions. CPI. To

```
multicycle:

// # Cycles

load: 0.08(5)

Store: 0.04(4)

CPI branch: 0.33(3) + total CPI= 3.57

pump: 0.18(3)

R type: 0.37(4)
```

```
# instructions: 100
```

CP1: 3.57

Tc: 15 ns

EXE cution time = 5355 ns

single cycle:

(nstructions: 100

CP1: 1

Tc: 45 ns execution time: (4500 ns