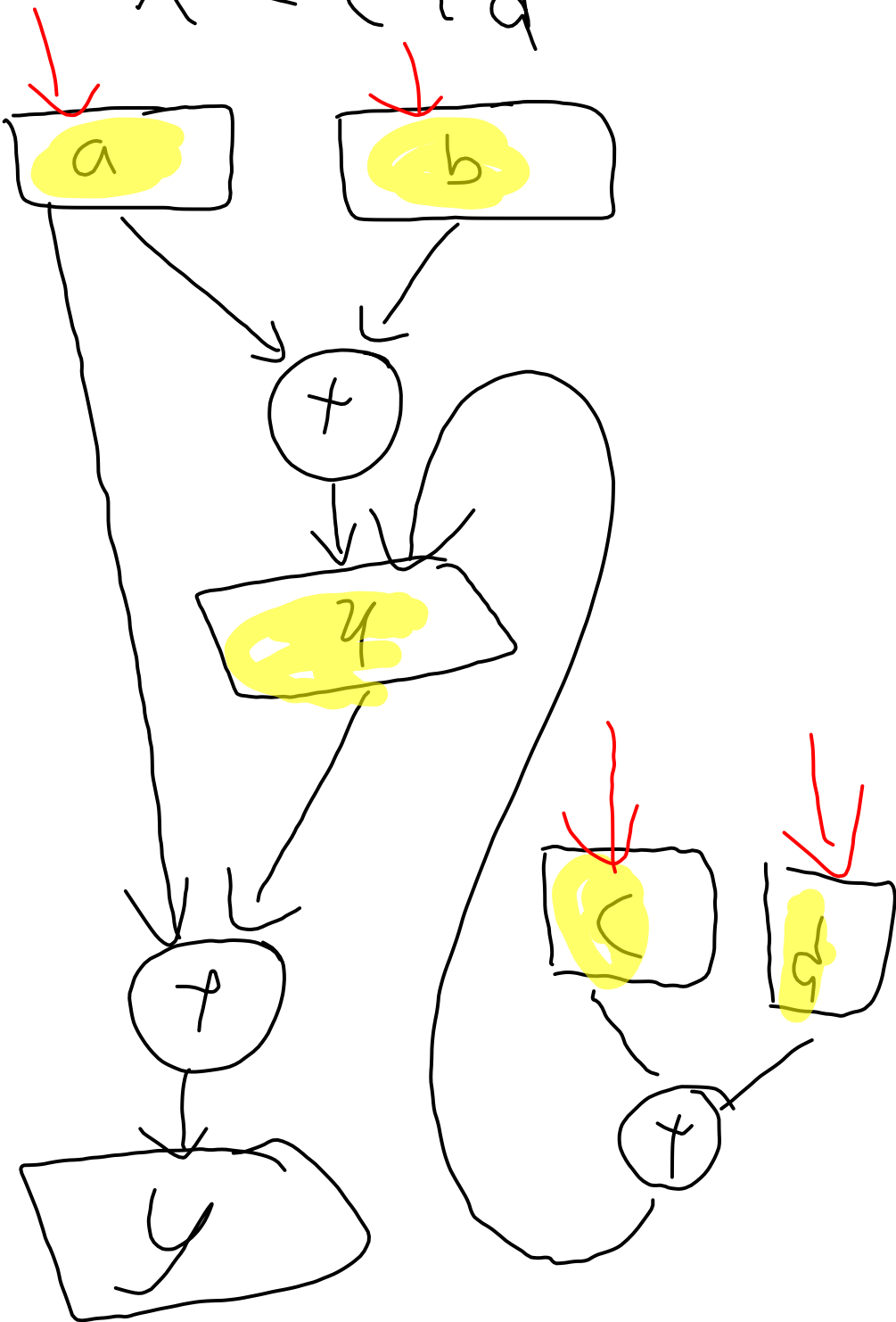


$$x = a + b$$

$$y = a + x$$

$$x = c + d$$

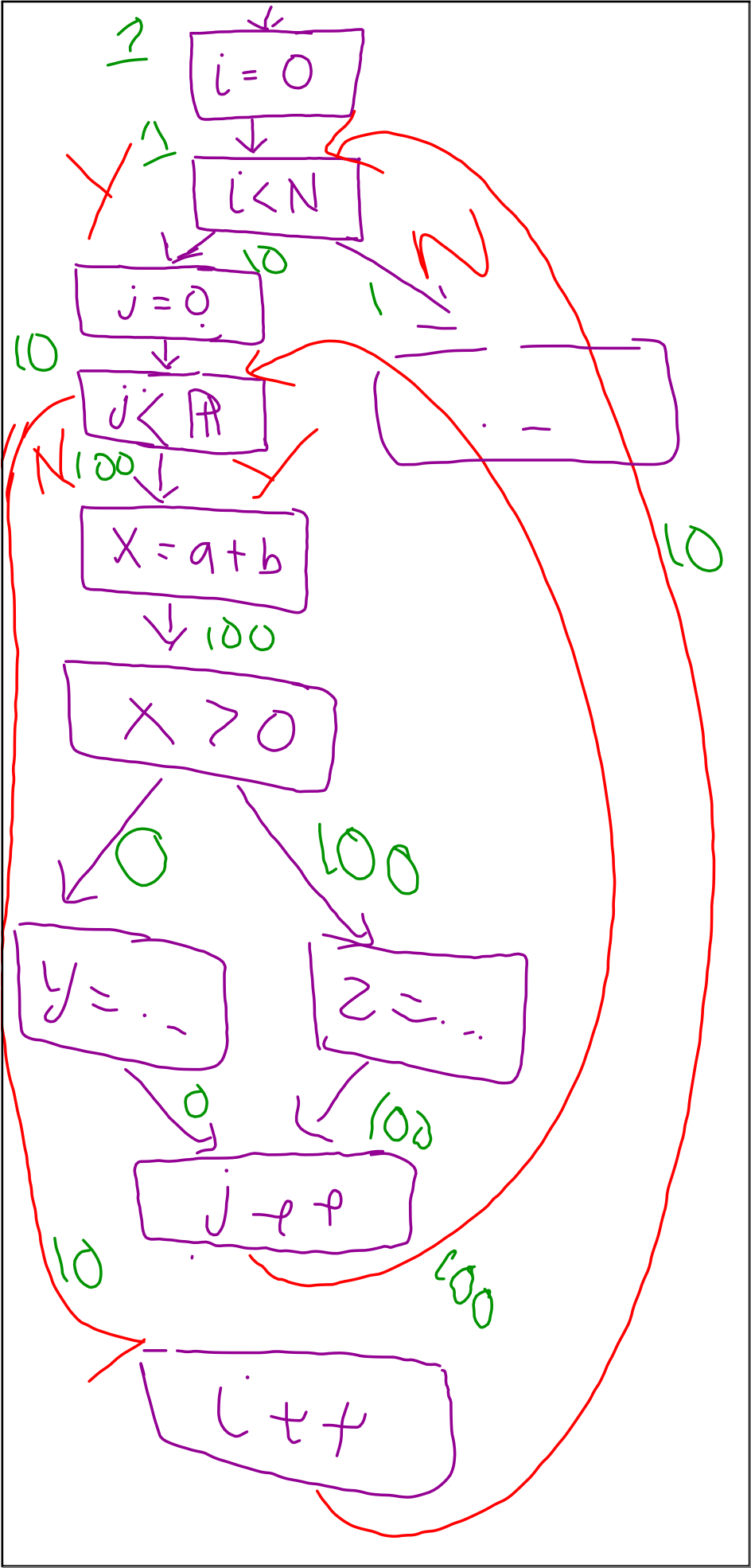


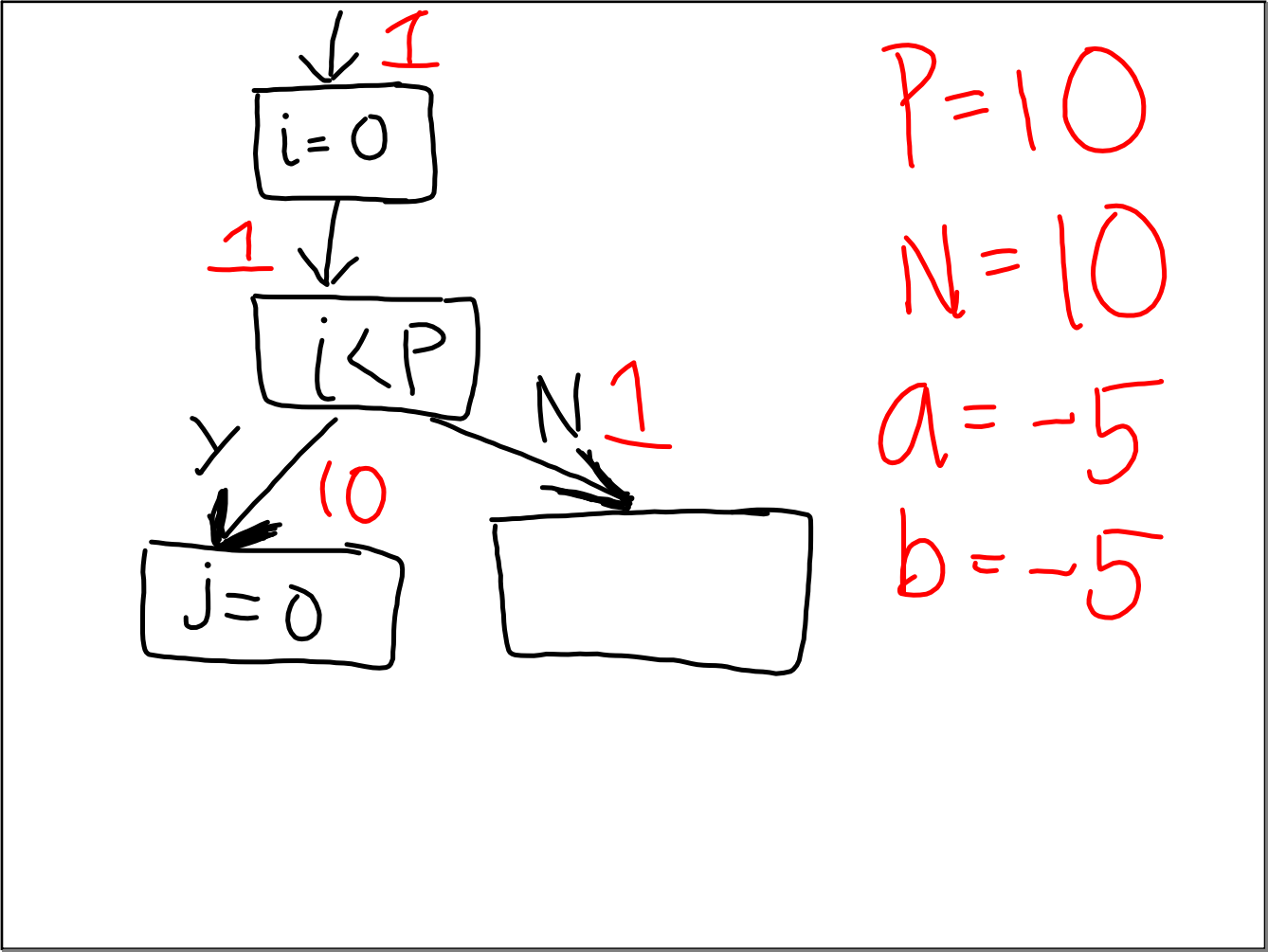
```
for (i=0; i < P; i++) {  
    for (j=0; j < Q; j++) {  
        X = a + b;  
        if (X > 0) {  
            Y = c + d;  
        }  
        else {  
            Z = e + f;  
        }  
    }  
}
```

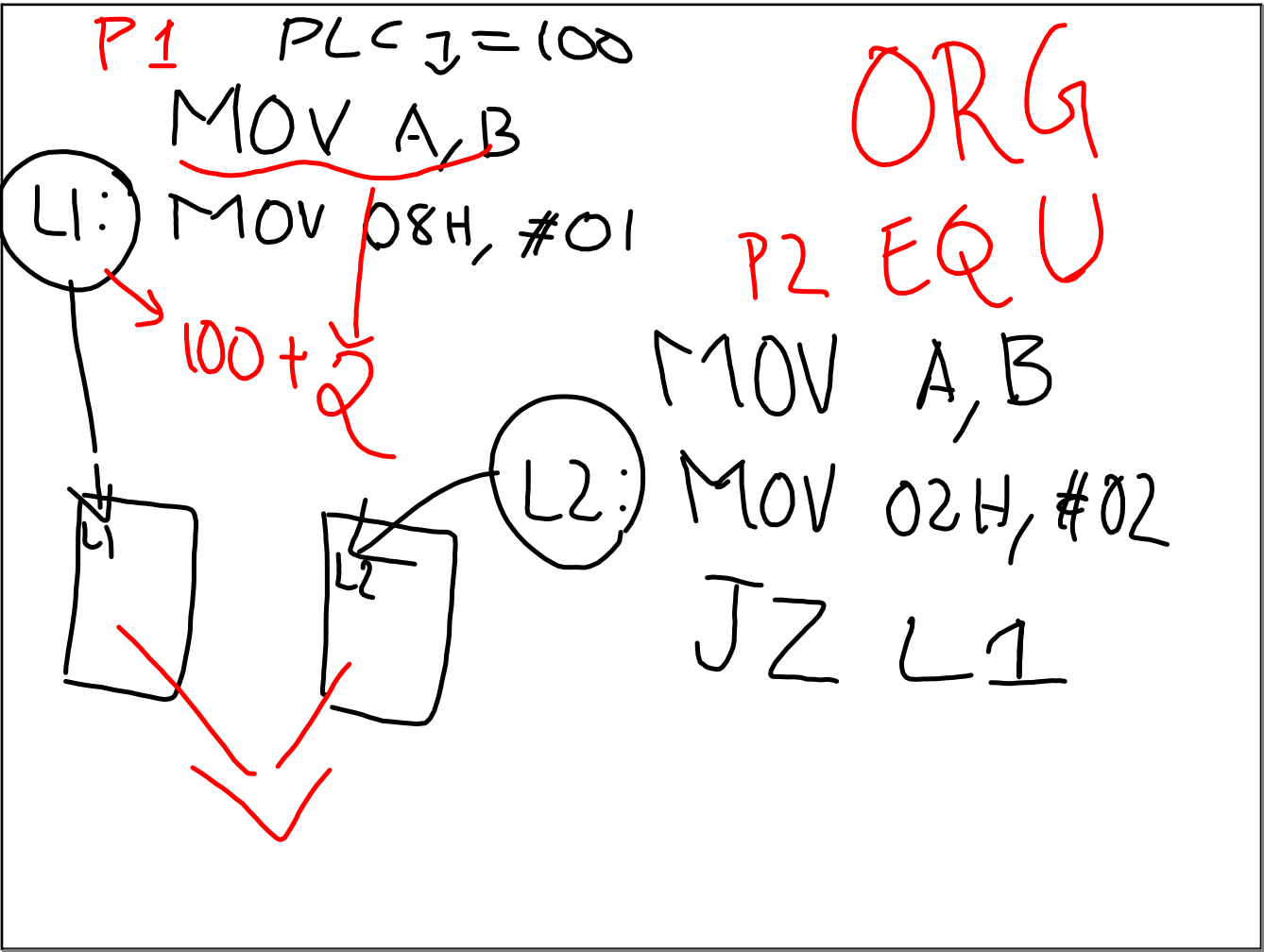
```
i = 0;
while (i < N) {
    j = 0;
    while (j < P) {
        x = a + b;
        if (x > 0) {
            y = c + d;
        }
        else {
            z = e + f;
        }
        j++;
    }
    i++;
}
```

$a = -5$
 $b = -5$

$N = 10$
 $P = 10$







PLC = 1000

→ ORG 1000.1

→ INC A

PLC = 1001

→ F00 EQW 5

LI: → MOV B, F00
PLC = 1001

LI 1001