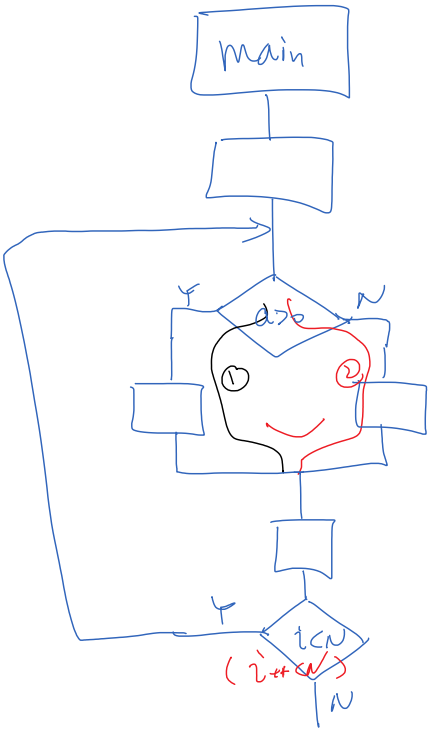
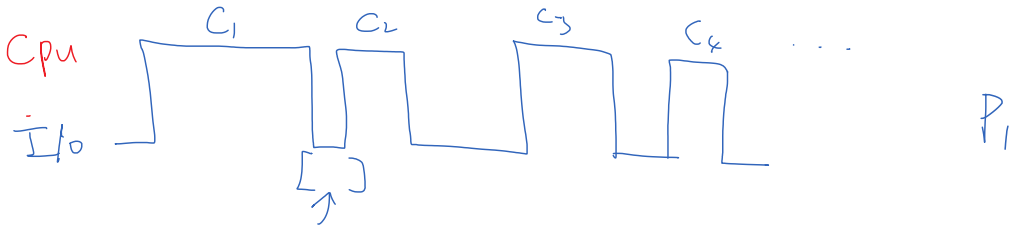


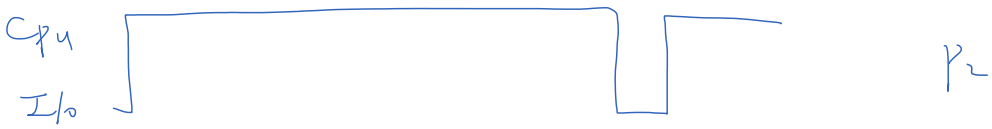
users' view

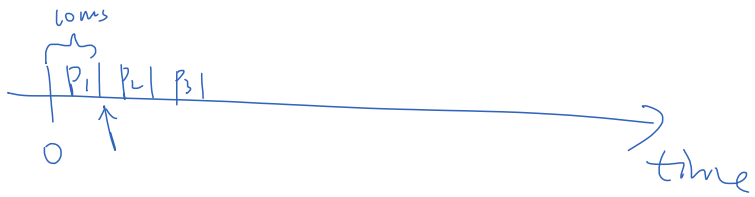
Static analysis

process

sequential instruction stream



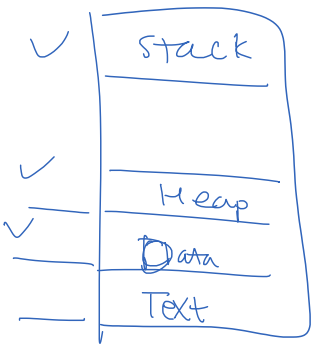


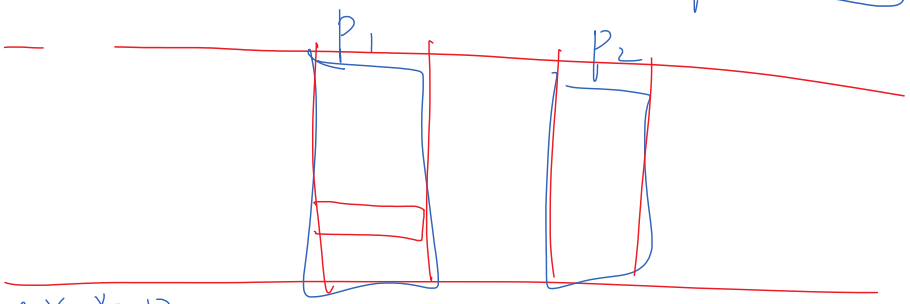


address could be accessed by the process { 1. instructions 2. data (variables)

What does it mean ?

execution of a process means to execute its instructions





Char * p;

p = (Char*) malloc (10);

static int gCounter = 100;

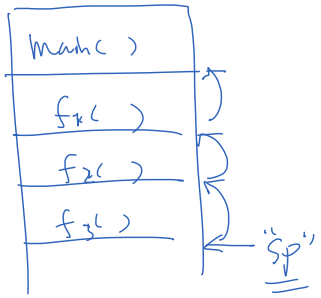
Java

new

C

malloc

main() { f1() { f2() {

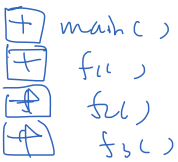



```
main( ){
    :
    a = f1( b, c );
→   d = a + 1;
    :
}
```

```
f1( ){
    :
    f2( ){
    }
}
```

```
f2( ){
    :
    f3( )
    :
}
```

```
f3( ){
PC ⟶    a++;
}
```



(6)

(5)