

```
def select(c : Boolean): Int = {  
    val a = 42  
    val b = 333  
    var x = 0;  
    if (c)  
        x = a + b;  
    else  
        x = a - b;  
    x  
}
```

```
val z = 3
var x = 1
while(x > 0) {
    if(x == 1) {
        y = 7
    } else {
        y = z + 4
    }
    x = 3
}
```

```
var x = 0
while (true) {
    x = x + 1
    println(x)
}
```

```
def m(initialA: Int, b: Int): Int = {  
  /*pc 0*/  var a = initialA  
  
  /*pc 1*/  var x = a + b;  
  
  /*pc 2*/  val y = a * b;  
  
  /*pc 3*/  while (y > a + b) {  
  
    /*pc 4*/    a = a + 1  
  
    /*pc 5*/    x = a + b  
  
  }  
  /*pc 6*/  a + x  
}
```