```
 3    var a = 0
 4    var b = 1
 5    var i = 0
 6
 7    while( i < n ) {
 8      val c = a + b
 9      a = b
10      b = c
11      i = i + 1
12    }
13    return a
14 }
```

fib1: (n: Int)Int

Cmd 9

```
1  fib1(5)
```

res11: Int = 5

```
1  //Task_1, part_2
2  def fib2( n : Int) : Int = n match {
3      case 0 | 1 => n
4      case _ => fib2( n-1 ) + fib2( n-2 )
5  }
```

fib2: (n: Int)Int

Cmd 11

```
1  fib2(5)
```

res13: Int = 5