PEP Scala (3)

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Office Hours: next Monday 11 – 12 & 13 – 14

Marks for CW6 (Part 1 + 2)

Raw marks (234 submissions):

- 6%: 163 students
- 5%: 29
- 4%: 3
- 3%: 13
- 2%: 3
- 1%: 0
- 0%: 23

```scala
def collatz(n: Long) : Long =
  {
    val toReturn = collatzHelper(n, 0)
    toReturn
  }
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```scala
def collatz_max(bnd: Long) : (Long,Long) =
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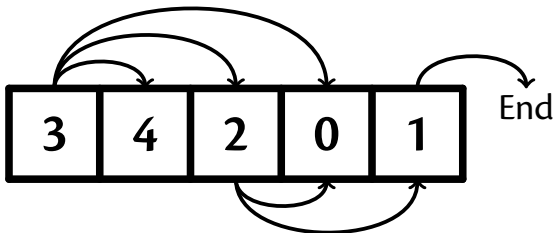
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def collatz_max(bnd: Long) : (Long,Long) = {val lst = for(a<-(1 to bnd.toInt)) yield (collatz(a),a.
```

```scala
def process_ratings(lines: List[String]) = {
    val values = List[(String,String)]()

    for(line <- lines) {
        val splitList = ...

        if(splitList(2).toInt >= 4){
            val userID = splitList(0)
            val movieID = splitList(1)
            val tuple = (userID, movieID)
            tuple :: values
        }
    }

    values
}
```

What does this function (always) return?

Jumping Towers

shortest: 3 → 4 → End

"Children" / moves

$[3, 4, 2, 0, 1]$

$[4, 2, 0, 1]$...

$[2, 0, 1]$

$[0, 1]$

$[0, 1]$

$[1]$ — End