

Q3 Counting Primes Medium No Time Limit

Code Tests (80%) Playback

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```
1 process.stdin.resume();
2 process.stdin.setEncoding('utf8');
3
4 var stdin = '';
5
6 function isPrime(a) {
7   for (var i = 2; i < a; i++) {
8     if (a % i === 0) {
9       return false;
10    }
11  }
12  return a > 1;
13 };
14
15 const isTuple = function (a) {
16   return Array.isArray(a) && a.length === 2;
17 };
18
19 const toIntTuple = function (a) {
20   return a.split(',').map(a => parseInt(a.trim()));
21 };
22
23 const range = function (a, b) {
24   let arr = [];
25   for (let i = a; i < b; i++) arr.push(i);
26   return arr;
27 };
28
29 const output = function (tuple) {
30   return range(...tuple).reduce((acc, elem) => isPrime(elem) ? acc + 1 : acc, 0);
31 }
32
33 /*
34 const output = function (arr) {
35   const ns = range(...arr);
36
37   let count = 0;
38
39   for (let i = ns[0], n = ns.length - 1; i < n; i++) {
40     if (isPrime(ns[i])) {
41       output = output + 1;
42     }
43   }
44   return count;
45 };
46 */
47
48 process.stdin.on('data', function (chunk) {
49   stdin += chunk;
50 }).on('end', function () {
51   const lines = stdin.trim()
52     .split('\n')
53     .map(toIntTuple)
54     .filter(isTuple)
55     .map(output);
56
57   for (var i = 0; i < lines.length; i++) {
58     process.stdout.write(lines[i].toString());
59   }
60 }
```

Response Time: 53:11

Code Similarity: Expected Range