Algorithm #2

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1

b

multiply(2,3)

x	2
y	3

2
3

2

b	6

multiply(2,3)

x	2
y	3

multiply(5,2)

x	5
y	2

6
10

3

x	[1,2,3,4,5,10]
i	0→3→4→7→8

3
7

4

x	15

awesome()

x	10

15
15
10
15

5

i	0→2→4→6→8 →10→12→14→16

0
2
4
6
8
10
12
14

6

i	0 → 1 → 2 → 3
j	0 → 1 → 2 → 0 → 1 → 2 → 0 → 1 → 2

0
0
0
1
0
2

7

z

looping

x	3
y	3
i	0 → 1 → 2 → 3
j	0 → 1 → 2 → 3 → 0 → 1 → 2 → 3 → 0 → 1 → 2 → 3

0
0
0
0
1
2
0
2
4

8

z	15

looping

x	3
y	5
i	0 → 1 → 2 → 3
j	0 → 1 → 2 → 3 → 4 → 5 → 0 → 1 → 2 → 3 → 4 → 5 → 0 → 1 → 2 → 3 → 4 → 5

0
0
0
0
0
0
1
2
3
4
0
2
4
6
8
15

9
```
function printUpTo(x){
    if (x < 1){
        return false;
    }
    for(i=0; i<x; i++){
        console.log(i);
    }
}
printUpTo(-10);
y= printUpTo(-10);
console.log(y);
```

10
```
function printSum(x){
    var sum=0
    for(var i=0; i<x; i++){
        console.log(i);
        sum = sum+i;
    }
    return sum;
}
y= printSum(255);
console.log(y);
```

11
```
function printSumArray(x){
    var sum=0;
    for(var i=0; i<x.length; i++){
        sum= sum+ arr[i];
    }
    return sum;
}
console.log(printSumArray([1,2,3]));
```

12.
```
function largestElement(arr){
    max= arr[0];
    for(var i=0; i<arr.length; i++){
        if(arr[i]>max){
            max=arr[i];
        }
    }
    return max;
}
console.log(largestElement([1,30,5,7]));
```