Algorithms 1

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1
```
for(var i=0; i<5; i++){
    console.log(i);
}
```

i	0 → 1 → 2 → 3 → 4 → 5

0, 1, 2, 3, 4

2
```
for(var i=0; i<5; i++){
    i = i+1;
    console.log(i)
}
```

i	0 → 1 → 2 → 3 → 4 → 5 → 6

1, 3, 5

3
```
for(var i=0; i<5; i++){
    i = i+3;
    console.log(i)
}
```

i	0 → 3 → 4 → 8

3, 7

4
```
function y(num1, num2){
    return num1+num2;
}
console.log(y(2,3));
console.log(y(3,5));
```

y(2,3)	
num1	2
num2	3

y(3,5)	
num1	3
num2	5

5
8

5
```
function y(num1, num2){
    console.log(num1);
    return num1+num2;
}
console.log(y(2,3));
console.log(y(3,5));
```

y(2,3)	
num1	2
num2	3

y(3,5)	
num1	3
num2	5

2
5
3
8

6
```
a = 15;
console.log(a);
function y(a){
    console.log(a);
    return a;
}
b = y(10);
console.log(b);
```

a	15
b	10

y(10)	
a	10

15
10
10

7
```
a = 15;
console.log(a);
function y(a){
    console.log(a);
    return a*2;
}
b = y(10);
console.log(b);
```

a	15
b	20

y(10)	
a	10

15
10
20