

Algorithm 3

10/18/18

1

		a(x,y)	
		x	5
		y	5

5

2

		a(x,y)	
b	[2,2,5]	x	2 →
		y	2
		z	[] → [2] → [2,2] → [2,2,5]

[2,2,5]

[2,2,5]

[6,8,5]

[6,8,5]

x	6	
y	8	
z	[] → [6] → [6,8] → [6,8,6]	

3

		a	
y	[2,2]	x	2
	↓	z	[] → [2] → [] → [2] → [2,2]
	[2,2,5]		

[2,2,5]

4

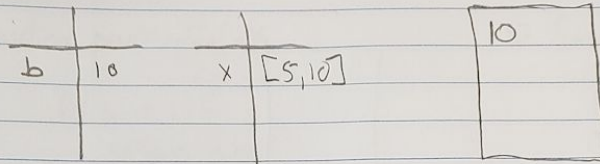
		a	
b	true	x	[2,3,4,5]

true

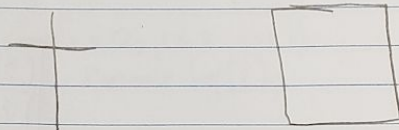
5

		x [5,7,-1,4] → [5, Coding, Dojo, 4]
		i 0 → 1 → 2 → 3 → 4

6



7



```

8 function printAverage(x) {
  sum = 0;
  for (var i = 0; i < x.length; i++) {
    sum = sum + x[i];
  }
  avg = sum / x.length;
  return avg;
}

y = printAverage([1, 2, 3]);
console.log(y);
y = printAverage([2, 5, 8]);
console.log(y);

```

```

9 function returnOddArray() {
  var z = [];
  for (var i = 0; i < 256; i++) {
    if (i % 2 == 1) {
      z.push(i);
    }
  }
  return z;
}

y = returnOddArray();
console.log(y);

```

```

10 function squareValue(x) {
  for (var i = 0; i < x.length; i++) {
    x[i] = x[i] * x[i];
  }
  return x;
}

y = squareValue([1, 2, 3]);
console.log(y);
y = squareValue([2, 5, 8]);
console.log(y);

```