actividad Algoritmos II

función 1

b	multiply (2,3)
muliply (x,y)	console.log (x); console.log (y);
muliply (2,3)	console.log (2); console.log (3);
console.log (b)	2, 3
output	2, 3

función 2

b	multiply (2,3);
multiply (x,y)	return x*y;
console.log (b)	6
console.log (multiply (5,2))	10
output	6, 10

función 3

x	[1, 2, 3, 4, 5, 10]
i	0
i < 5	True
i = i + 3	i = 0+3 → i = 3
console.log (i)	3
i < 5	3 < 5 → True
i = i + 3	i = 3+3 → i = 6
console.log (i)	6
i < 5	6 < 5 → False
	fin
output	3, 6

función 4

Var x	x = 15
console.log (x)	15
console.log (x)	15
function awesome()	Var x = 10 console.log (x)
Var x	x = 10
console.log (10)	10
function awesome()	10
awesome ()	
console.log (x)	15
	fin
output	15, 10, 15, 15

función 5

i	0
i< 15	0<15 → True
console.log(i)	0
i	2
i< 15	2<15 → True
console.log(i)	2
i	4
i< 15	4<15 → True
console.log(i)	4
i	6
i< 15	6<15 → True
console.log(i)	6
i	8
i< 15	8<15 → True
console.log(i)	8
i	10
i< 15	10<15 → True
console.log(i)	10
i	12
i< 15	12<15 → True
console.log(i)	12
i	14
i< 15	14<15 → True
console.log(i)	14
i	16
i< 15	16<15 → False
output	0, 2, 4, 6, 8, 10 12, 14

función 6

i	0
i<3	0<3 → True
j	0
j< 2	0<2 → True
console.log(i*j)	0*0 = 0
i	1
i< 3	1<3 → True
j	1
j< 2	1<2 → True
console.log(i*j)	1*1 = 1
i	2
i< 3	2<3 → True
j	2
j< 2	2<2 → False
output	0, 1

Función 7

z	looping(3,3)
function looping	
i	0
i<3	0<3 → True
j	0
j<3	0<3 → True
console.log(i,j)	0·0 = 0 ✓
j	1
j<3	1<3 → True
console.log(i,j)	0·1 = 0 ✓
j	2
j<3	2<3 → True
console.log(i,j)	0·2 = 0 ✓
j	3
j<3	3<3 → False
i	1
i<3	1<3 → True
j	0
j<3	0<3 → True
console.log(i,j)	1·0 = 0 ✓
j	1
j<3	1<3 → True
console.log(i,j)	1·1 = 1 ✓
j	2
j<3	2<3 → True
console.log(i,j)	1·2 = 2 ✓
j	3
j<3	3<3 → False
i	2
i<3	2<3 → True
j	0
j<3	0<3 → True
console.log(i,j)	0·2 = 0
j	1
j<3	1<3 → True
console.log(i,j)	2·1 = 2
j	2
j<3	2<3 → True
console.log(i,j)	2·2 = 4
j	3
j<3	3<3 → False
i	3
i<3	3<3 → False
console.log	0,0,0,1,2,0,2,4

Fin

Función 8

i	0
i < x	0 < 3 → True
j	0
j < y	0 < 5 → True
console.log(i*j)	0 * 5 = 0
j	1
j < y	1 < 5 → True
console.log(i*j)	0 * 1 = 0
j	2
j < y	2 < 5 → True
console.log(i*j)	0 * 2 = 0
j	3
j < y	3 < 5 → True
console.log(i*j)	0 * 3 = 0
j	4
j < y	4 < 5 → True
console.log(i*j)	4 * 0 = 0
j	5
j < y	5 < 5 → False

i	1
i < x	1 < 3 → True
j	0
j < y	0 < 5 → True
console.log(i+j)	1 + 0 = 0
j	1
j < y	1 < 5 → True
console.log(i-j)	1 - 1 = 1
j	2
j < y	2 < 5 → True
console.log(i+j)	1 + 2 = 3
j	3
j < y	3 < 5 → True
console.log(i*j)	1 * 3 = 3
j	4
j < y	4 < 5 → True
console.log(i*j)	1 * 4 = 4
j	5
j < y	5 < 5 → False

i	2
i < x	2 < 3 → True
j	0
j < y	0 < 5 → True
console.log(i*j)	2 * 0 = 0
j	1
j < y	1 < 5 → True
console.log(i*j)	2 * 1 = 2
j	2
j < y	2 < 5 → True
console.log(i-j)	2 - 2 = 4
j	3
j < y	3 < 5 → True
console.log(i-j)	2 - 3 = 6
j	4
j < y	4 < 5 → True
console.log(i+j)	1 + 4 = 5
j	5
j < y	5 < 5 → False

console.log(i,j)	2.4 = 8
}	5
j < y	5<5 → False
i	3
i<x	3<3 → False
return x·y	3·5 = 15
z	looping (3,5)
looping(3,5)	15
console.log(z)	15

Fin

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