Homework – for loops

1. Trace the following programs:

Program	Memory	Output

`for (int i = 3; i <= 5; i++)`
`{`
`    System.out.println("Hello");`
`}`
`System.out.println("Good-bye");`
	i = ~~3 4 5~~ 6	Hello
		Hello
		Hello
		Good-bye
		>

`for (int count = -3; count <= 1;`
`count = count + 2)`
`{`
`    System.out.println(count);`
`}`
	count = ~~-3 -1 1~~ 3	-3
		-1
		1
		>

`for (int i = 8; i > 3; i = i - 1)`
`{`
`    System.out.println(i + 2);`
`}`
	i = ~~8 7 6 5 4~~ 3	10
		9
		8
		7
		6
		>

Program	Memory	Output

`int first,second;`
 	
`System.out.print("Enter starting value: ");`
`first = sc.nextInt( );`
`System.out.print("Enter ending value: ");`
`second = sc.nextInt( );`
 	
`for (int i = first; i <= second; i++)`
`{`
`    System.out.println(i );`
`    System.out.println("*");`
`}`
	Input: 11,15	

	first = 11 second = 15 i = ~~11 12 13 14 15~~ 16	11 * 12 * 13 * 14 * 15 *
	Input: 5, 3	
	first = 5 second = 3 i = 5	