

```
1 fun main() {
2     triangulos()
3     println()
4     rombo()
5     println()
6     arbol()
7 }
8
9 fun triangulos() { 1 Usage
10     val filas = 10
11
12     println("===Triangulo 1===")
13     for (i in 1 ≤ .. ≤ filas) {
14         for (espacio in 1 ≤ .. ≤ filas - i) {
15             print(" ")
16         }
17         for (asterisco in 1 ≤ .. ≤ i) {
18             print("*")
19         }
20         println()
21     }
22
23     println("\n===Triangulo 2===")
24     for (i in 1 ≤ .. ≤ filas) {
25         for (asterisco in 1 ≤ .. ≤ i) {
26             print("*")
27         }
28         println()
29     }
30 }
```

```
9 fun triangulos() { 1 Usage
10     println()
11 }
12
13 println("\n===Triangulo 3===")
14 for (i in 1 ≤ .. ≤ filas) {
15     for (espacio in 1 ≤ .. ≤ i) {
16         print(" ")
17     }
18     for (asterisco in 1 ≤ .. ≤ filas - i) {
19         print("*")
20     }
21     println()
22 }
23
24 println("===Triangulo 4===")
25 for (i in 0 ≤ until < filas) {
26     for (asterisco in 1 ≤ .. ≤ filas - i) {
27         print("*")
28     }
29     println()
30 }
31
32 fun rombo() { 1 Usage
33     val lineas = 13
34     val mitad = (lineas + 1) / 2
35 }
```

```
51 fun rombo() { 1 Usage
54
55     println("===Rombo===")
56     for (i in 1 ≤ .. ≤ mitad) {
57         for (espacio in 1 ≤ .. ≤ mitad - i) {
58             print(" ")
59         }
60
61         for (asterisco in 1 ≤ .. ≤ 2 * i - 1) {
62             print("*")
63         }
64         println()
65     }
66
67     for (i in mitad - 1 ≥ .. ≥ 1) {
68         for (espacio in 1 ≤ .. ≤ mitad - i) {
69             print(" ")
70         }
71
72         for (asterisco in 1 ≤ .. ≤ 2 * i - 1) {
73             print("*")
74         }
75         println()
76     }
77 }
78
79 fun arbol() { 1 Usage
80     val alturaArbol = 7
81     val alturaTronco = 3
82
83     println("===Arbol===")
84
85     for (i in 1 ≤ .. ≤ alturaArbol) {
86         for (j in 1 ≤ .. ≤ (alturaArbol - i)) {
87             print(" ")
88         }
89         for (j in 1 ≤ .. ≤ (2 * i - 1)) {
90             print("*")
91         }
92         println()
93     }
94
95     for (i in 1 ≤ .. ≤ alturaTronco) {
96         for (j in 1 ≤ .. ≤ (alturaArbol - 2)) {
97             print(" ")
98         }
99         print("||")
100        println()
101    }
102 }
```

```
79 fun arbol() { 1 Usage
80     val alturaArbol = 7
81     val alturaTronco = 3
82
83     println("===Arbol===")
84
85     for (i in 1 ≤ .. ≤ alturaArbol) {
86         for (j in 1 ≤ .. ≤ (alturaArbol - i)) {
87             print(" ")
88         }
89         for (j in 1 ≤ .. ≤ (2 * i - 1)) {
90             print("*")
91         }
92         println()
93     }
94
95     for (i in 1 ≤ .. ≤ alturaTronco) {
96         for (j in 1 ≤ .. ≤ (alturaArbol - 2)) {
97             print(" ")
98         }
99         print("||")
100        println()
101    }
102 }
```

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Current File

Run ForKt

For.kt

Run ForKt

```
===Triangulo 1===  
*  
**  
***  
****  
*****  
*****  
*****  
*****  
*****  
*****  
  
===Triangulo 2===  
*  
**  
***  
****  
*****  
*****  
*****  
*****  
*****  
*****  
*****  
  
===Triangulo 3===
```

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Current File

Run ForKt

For.kt

Run ForKt

```
===Triangulo 3===  
*****  
*****  
*****  
*****  
*****  
****  
***  
**  
*  
  
===Triangulo 4===  
*****  
*****  
*****  
*****  
*****  
*****  
****  
***  
**  
*  
  
===Rombo===  
*
```

EstructuraDatosAplicadas > src > For.kt > triangulos 17:34 CRLF UTF-8 4 spaces

