

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

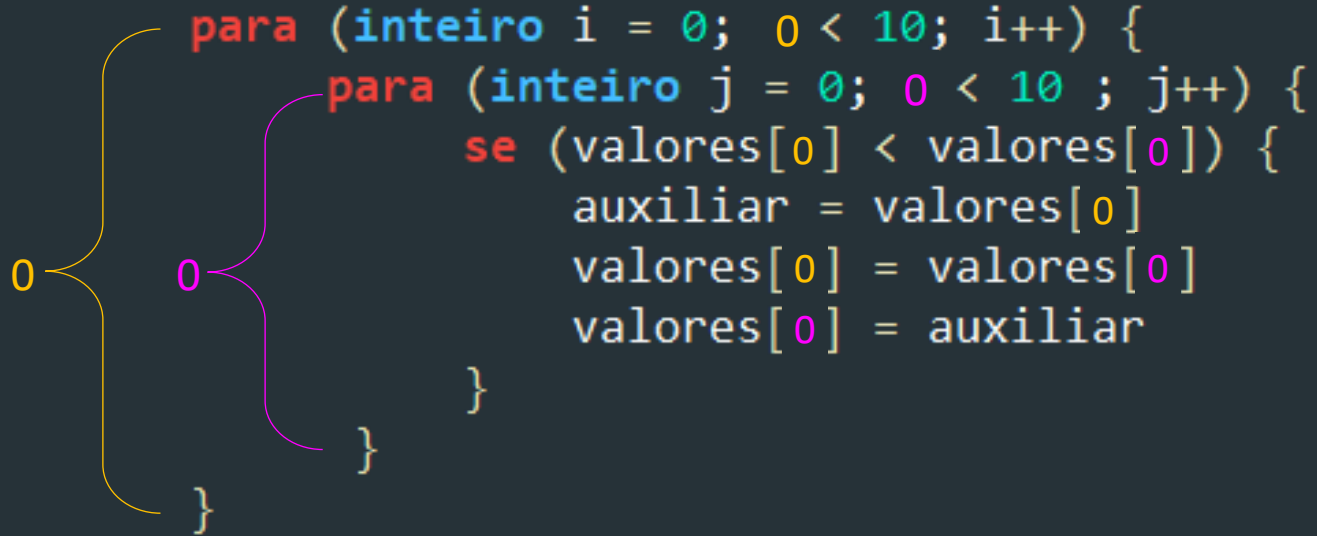
```
para (inteiro i = 0; i < 10; i++) {  
    para (inteiro j = 0; j < 10 ; j++) {  
        se (valores[i] < valores[j]) {  
            auxiliar = valores[i]  
            valores[i] = valores[j]  
            valores[j] = auxiliar  
        }  
    }  
}
```

i	0
j	0
auxiliar	0

4	7	2	9	13	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 0 < 10 ; j++) {  
        se (valores[0] < valores[0]) {  
            auxiliar = valores[0]  
            valores[0] = valores[0]  
            valores[0] = auxiliar  
        }  
    }  
}
```




i	0
j	0
auxiliar	0

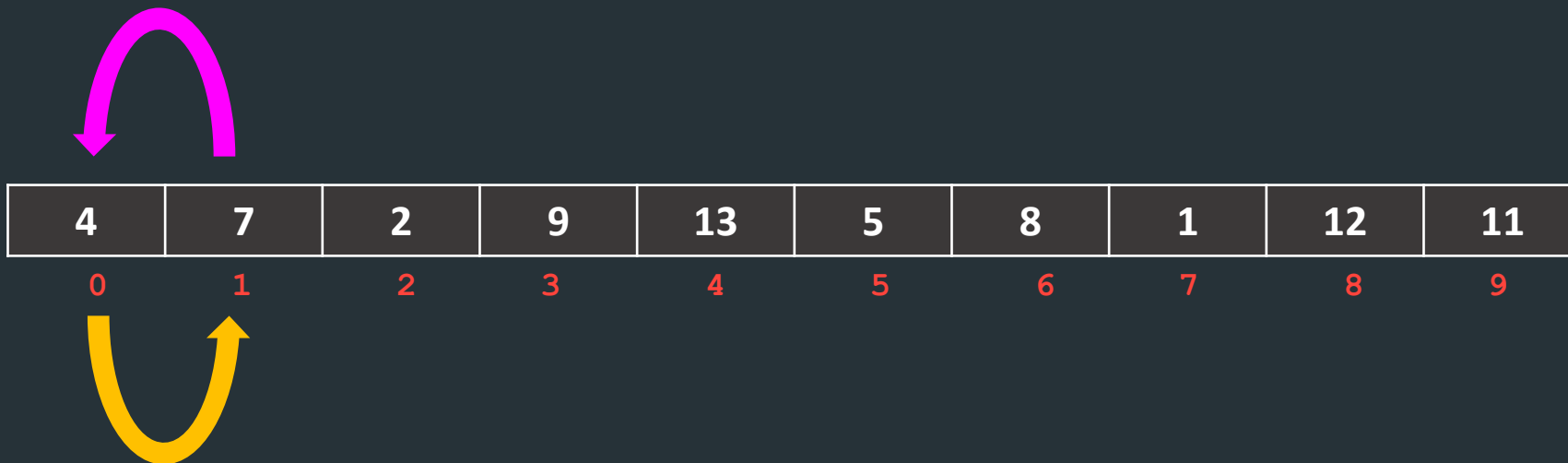
4	7	2	9	13	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 1 < 10 ; j++) {  
        se (valores[0] < valores[1]) {  
            auxiliar = valores[0]  
            valores[0] = valores[1]  
            valores[1] = auxiliar  
        }  
    }  
}
```

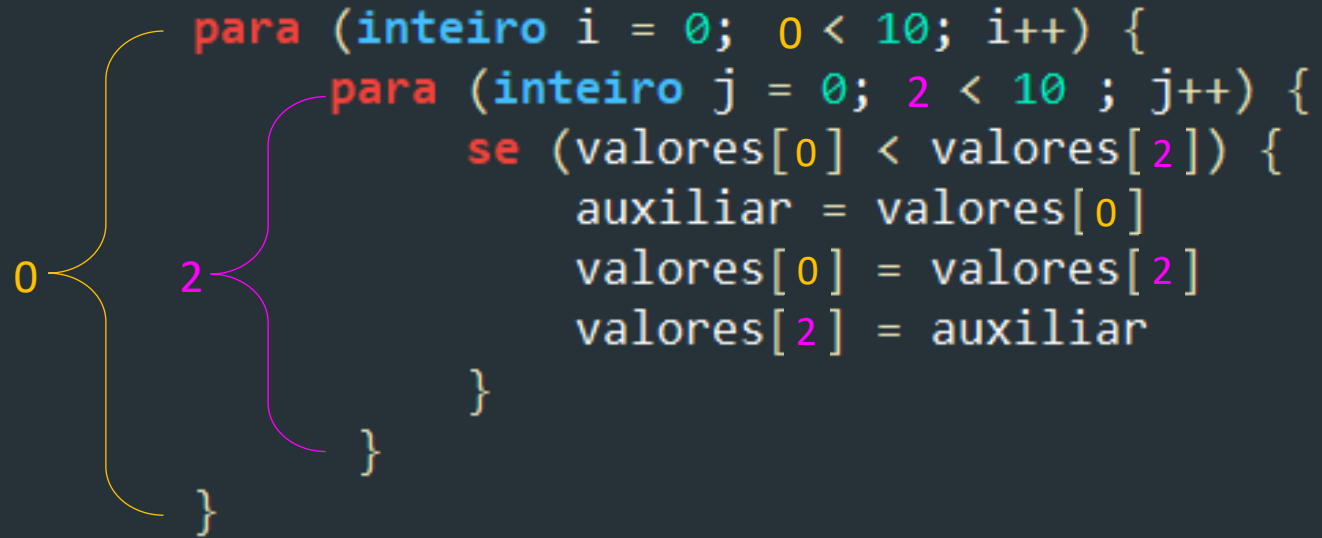


i	0
j	1
auxiliar	4



```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 2 < 10 ; j++) {  
        se (valores[0] < valores[2]) {  
            auxiliar = valores[0]  
            valores[0] = valores[2]  
            valores[2] = auxiliar  
        }  
    }  
}
```

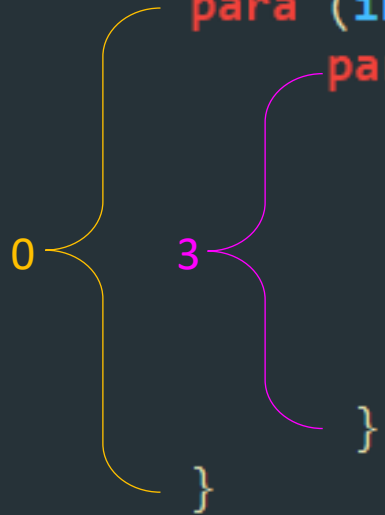


i	0
j	2
auxiliar	4

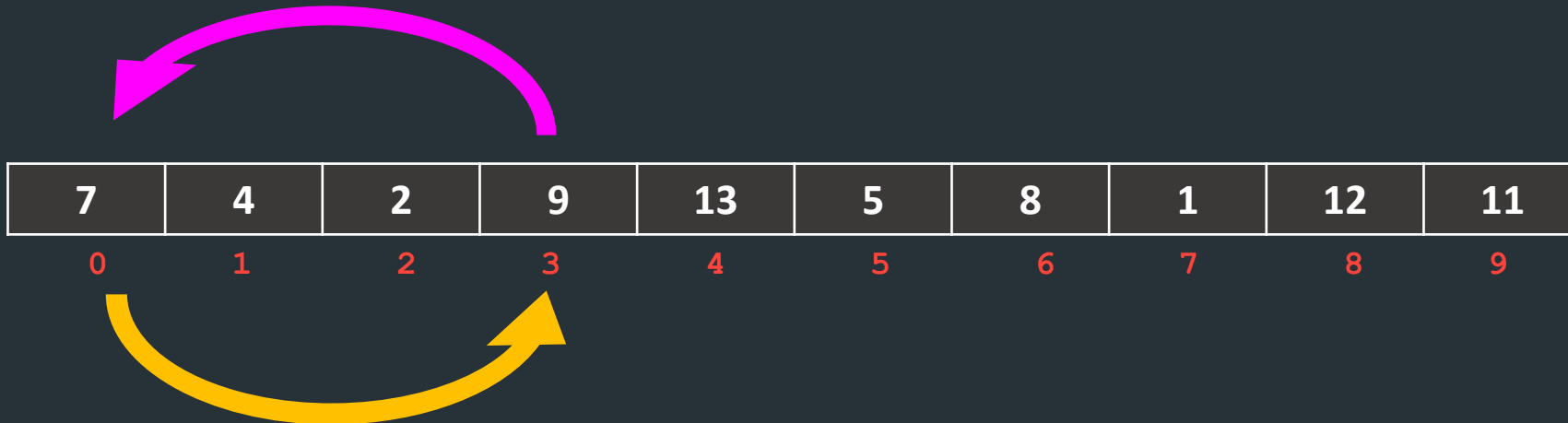
7	4	2	9	13	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 3 < 10 ; j++) {  
        se (valores[0] < valores[3]) {  
            auxiliar = valores[0]  
            valores[0] = valores[3]  
            valores[3] = auxiliar  
        }  
    }  
}
```

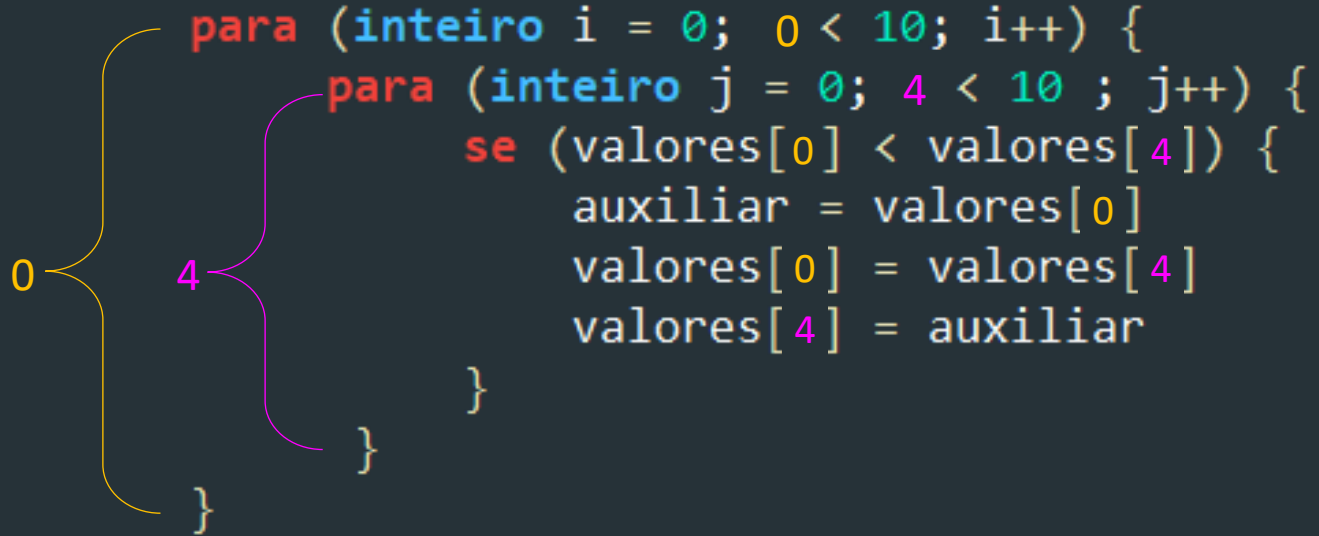


i	0
j	3
auxiliar	7

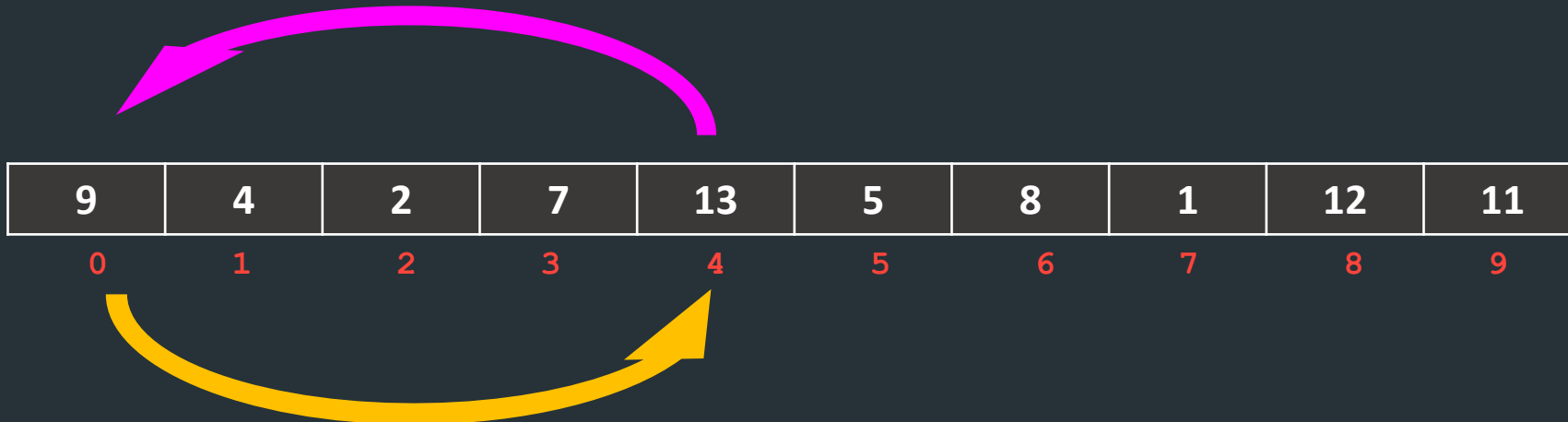


```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 4 < 10 ; j++) {  
        se (valores[0] < valores[4]) {  
            auxiliar = valores[0]  
            valores[0] = valores[4]  
            valores[4] = auxiliar  
        }  
    }  
}
```

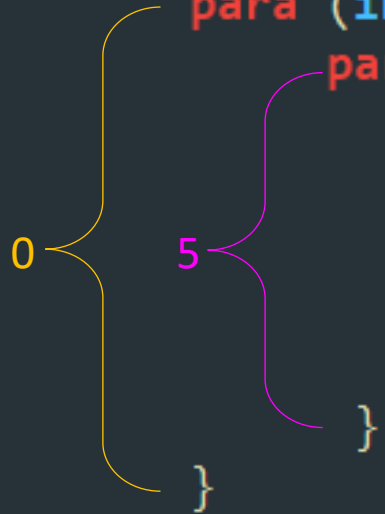


i	0
j	4
auxiliar	9



```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 5 < 10 ; j++) {  
        se (valores[0] < valores[5]) {  
            auxiliar = valores[0]  
            valores[0] = valores[5]  
            valores[5] = auxiliar  
        }  
    }  
}
```

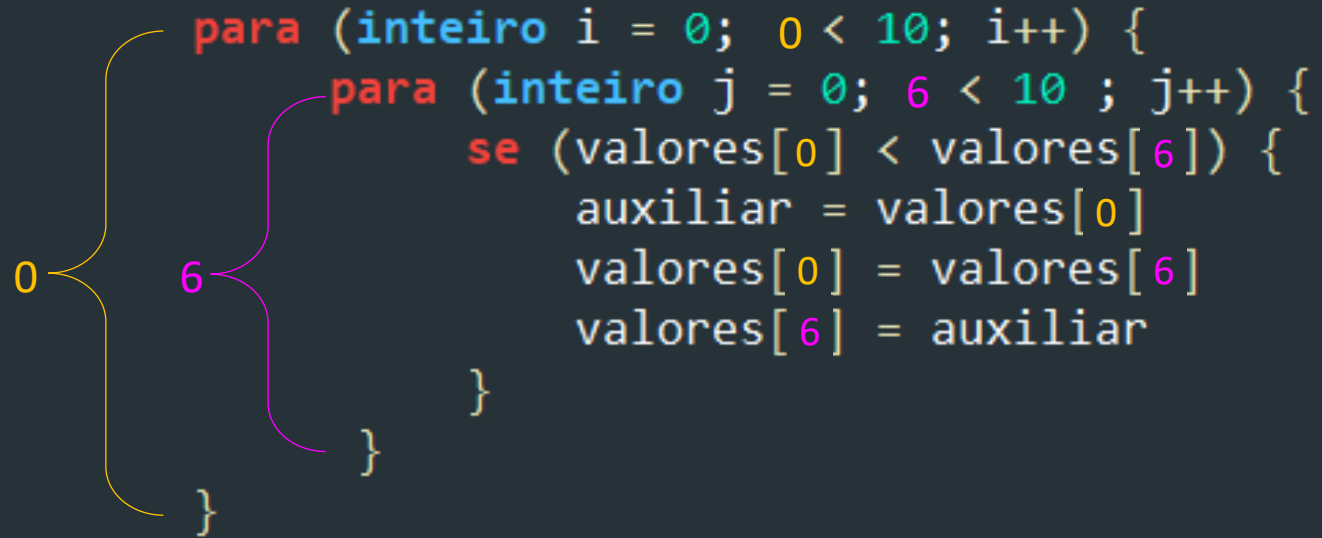


i	0
j	5
auxiliar	9

13	4	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 6 < 10 ; j++) {  
        se (valores[0] < valores[6]) {  
            auxiliar = valores[0]  
            valores[0] = valores[6]  
            valores[6] = auxiliar  
        }  
    }  
}
```



i	0
j	6
auxiliar	9

13	4	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9


```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

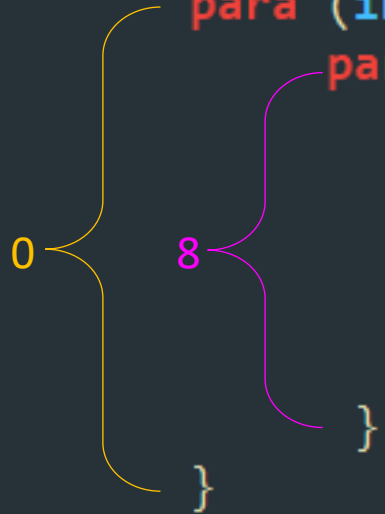
```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 7 < 10 ; j++) {  
        se (valores[0] < valores[7]) {  
            auxiliar = valores[0]  
            valores[0] = valores[7]  
            valores[7] = auxiliar  
        }  
    }  
}
```

i	0
j	7
auxiliar	9

13	4	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 8 < 10 ; j++) {  
        se (valores[0] < valores[8]) {  
            auxiliar = valores[0]  
            valores[0] = valores[8]  
            valores[8] = auxiliar  
        }  
    }  
}
```




i	0
j	8
auxiliar	9

13	4	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 0 < 10; i++) {  
    para (inteiro j = 0; 9 < 10 ; j++) {  
        se (valores[0] < valores[9]) {  
            auxiliar = valores[0]  
            valores[0] = valores[9]  
            valores[9] = auxiliar  
        }  
    }  
}
```

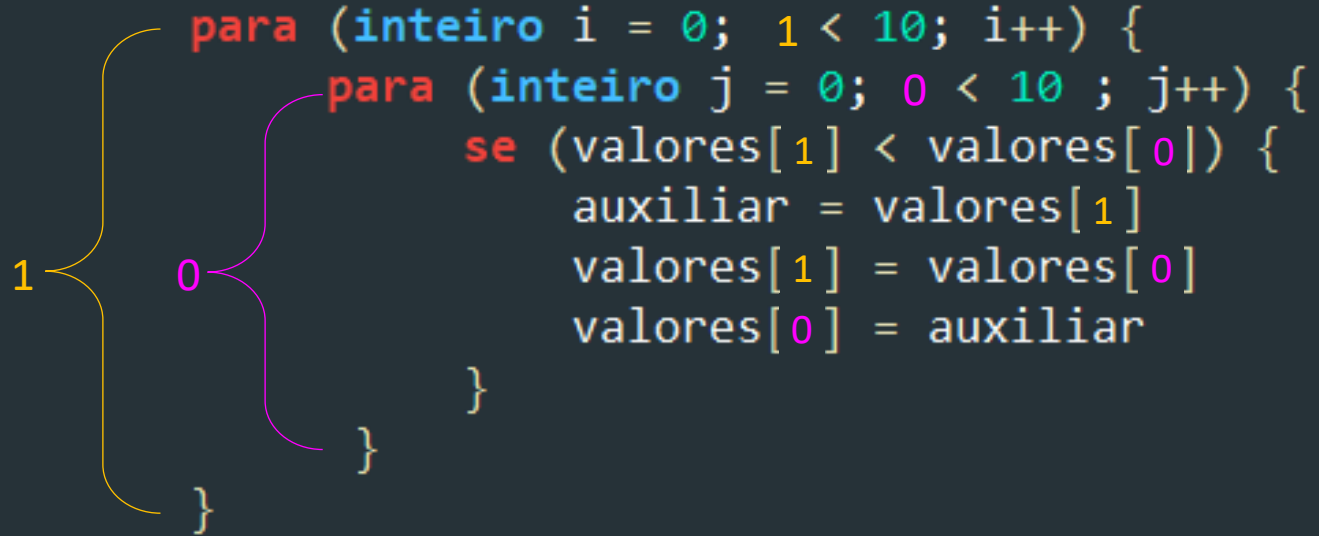


i	0
j	9
auxiliar	9

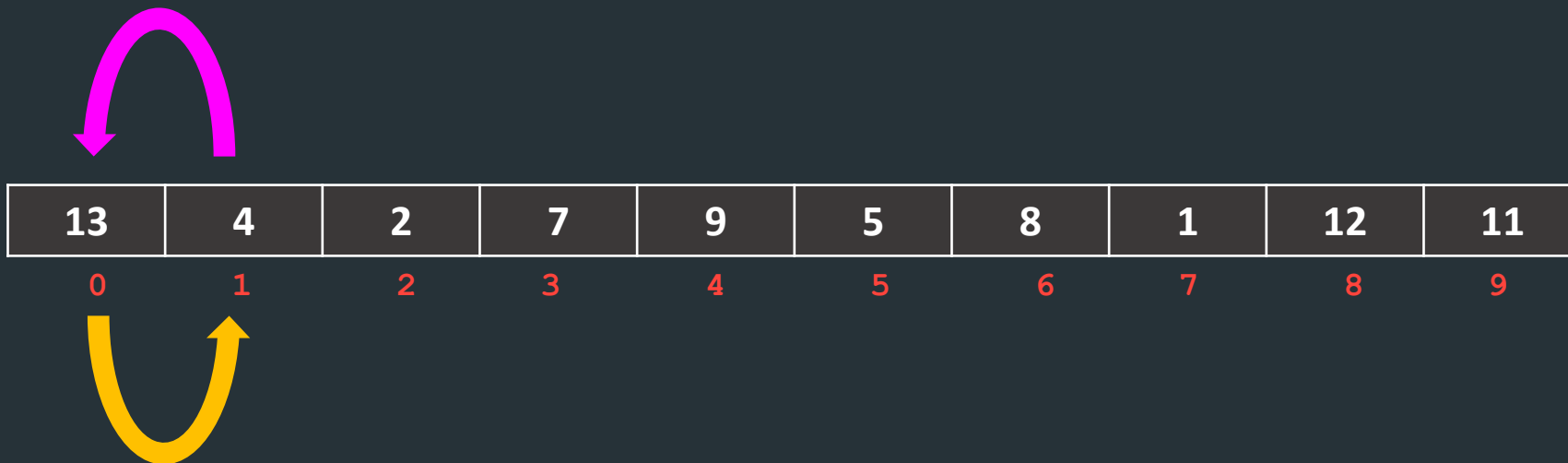
13	4	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 1 < 10; i++) {  
  para (inteiro j = 0; 0 < 10 ; j++) {  
    se (valores[1] < valores[0]) {  
      auxiliar = valores[1]  
      valores[1] = valores[0]  
      valores[0] = auxiliar  
    }  
  }  
}
```

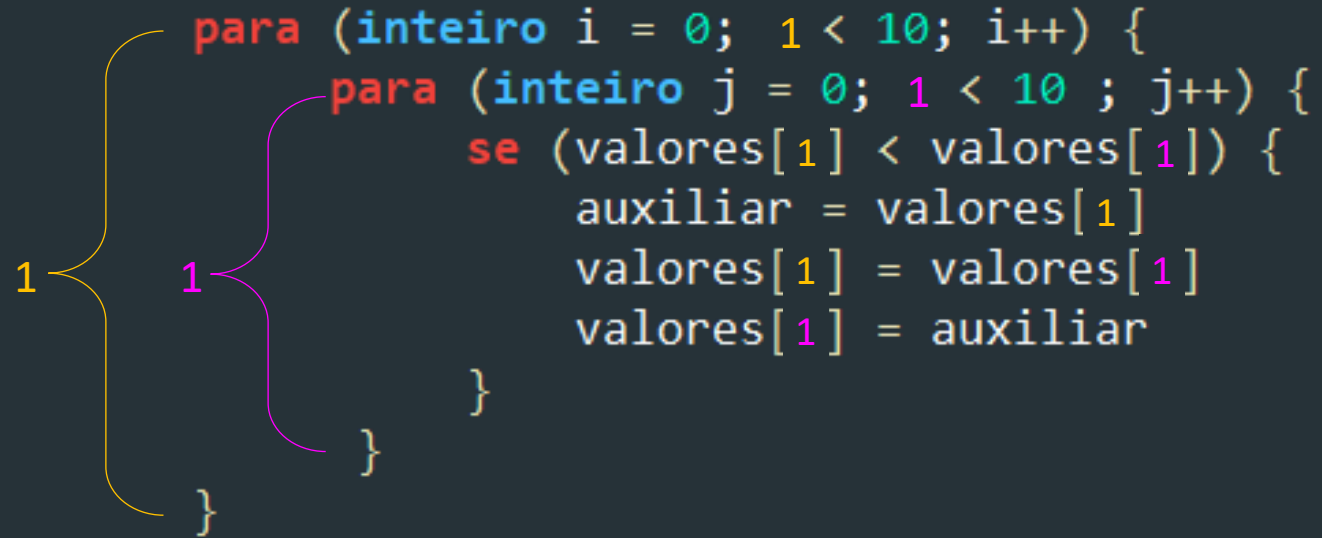


i	1
j	0
auxiliar	13



```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 1 < 10; i++) {  
  para (inteiro j = 0; 1 < 10 ; j++) {  
    se (valores[1] < valores[1]) {  
      auxiliar = valores[1]  
      valores[1] = valores[1]  
      valores[1] = auxiliar  
    }  
  }  
}
```



i	1
j	1
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
1 { para (inteiro i = 0; 1 < 10; i++) {  
  2 { para (inteiro j = 0; 2 < 10 ; j++) {  
    se (valores[1] < valores[2]) {  
      auxiliar = valores[1]  
      valores[1] = valores[2]  
      valores[2] = auxiliar  
    }  
  }  
}
```

i	1
j	2
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

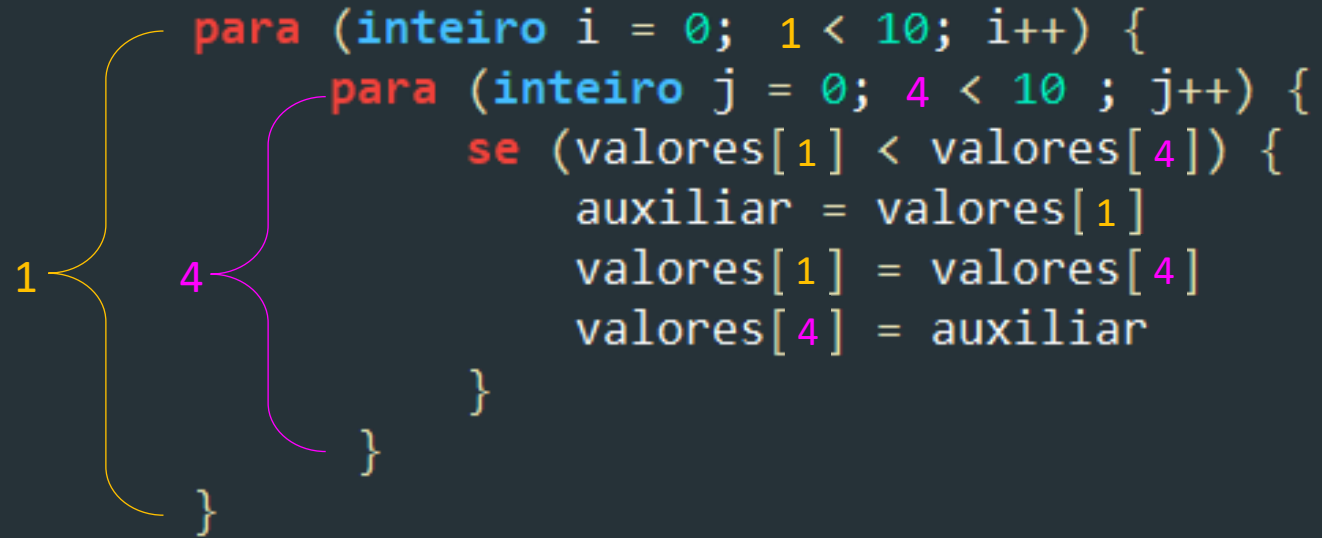
```
1 { para (inteiro i = 0; 1 < 10; i++) {  
  3 { para (inteiro j = 0; 3 < 10 ; j++) {  
    se (valores[1] < valores[3]) {  
      auxiliar = valores[1]  
      valores[1] = valores[3]  
      valores[3] = auxiliar  
    }  
  }  
}
```

i	1
j	3
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 1 < 10; i++) {  
    para (inteiro j = 0; 4 < 10 ; j++) {  
        se (valores[1] < valores[4]) {  
            auxiliar = valores[1]  
            valores[1] = valores[4]  
            valores[4] = auxiliar  
        }  
    }  
}
```



i	1
j	4
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9


```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
1 { para (inteiro i = 0; 1 < 10; i++) {  
    5 { para (inteiro j = 0; 5 < 10 ; j++) {  
        se (valores[1] < valores[5]) {  
            auxiliar = valores[1]  
            valores[1] = valores[5]  
            valores[5] = auxiliar  
        }  
    }  
}
```

i	1
j	5
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
1 { para (inteiro i = 0; 1 < 10; i++) {  
    6 { para (inteiro j = 0; 6 < 10 ; j++) {  
        se (valores[1] < valores[6]) {  
            auxiliar = valores[1]  
            valores[1] = valores[6]  
            valores[6] = auxiliar  
        }  
    }  
}
```

i	1
j	6
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

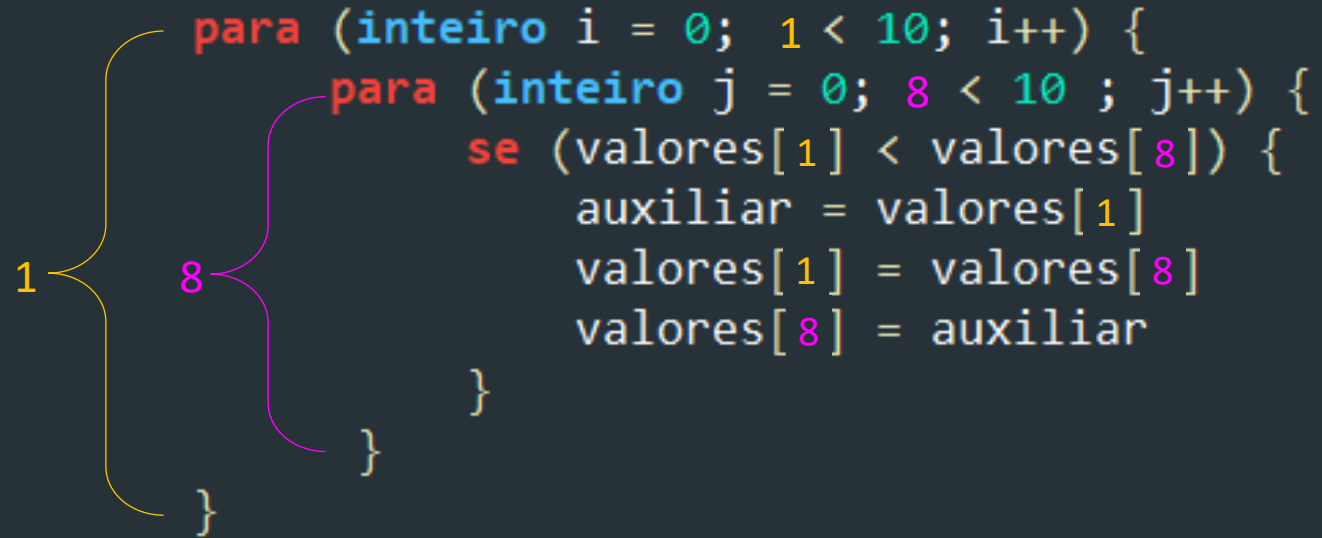
```
para (inteiro i = 0; 1 < 10; i++) {  
    para (inteiro j = 0; 7 < 10 ; j++) {  
        se (valores[1] < valores[7]) {  
            auxiliar = valores[1]  
            valores[1] = valores[7]  
            valores[7] = auxiliar  
        }  
    }  
}
```

i	1
j	7
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 1 < 10; i++) {  
    para (inteiro j = 0; 8 < 10 ; j++) {  
        se (valores[1] < valores[8]) {  
            auxiliar = valores[1]  
            valores[1] = valores[8]  
            valores[8] = auxiliar  
        }  
    }  
}
```



i	1
j	8
auxiliar	13

4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

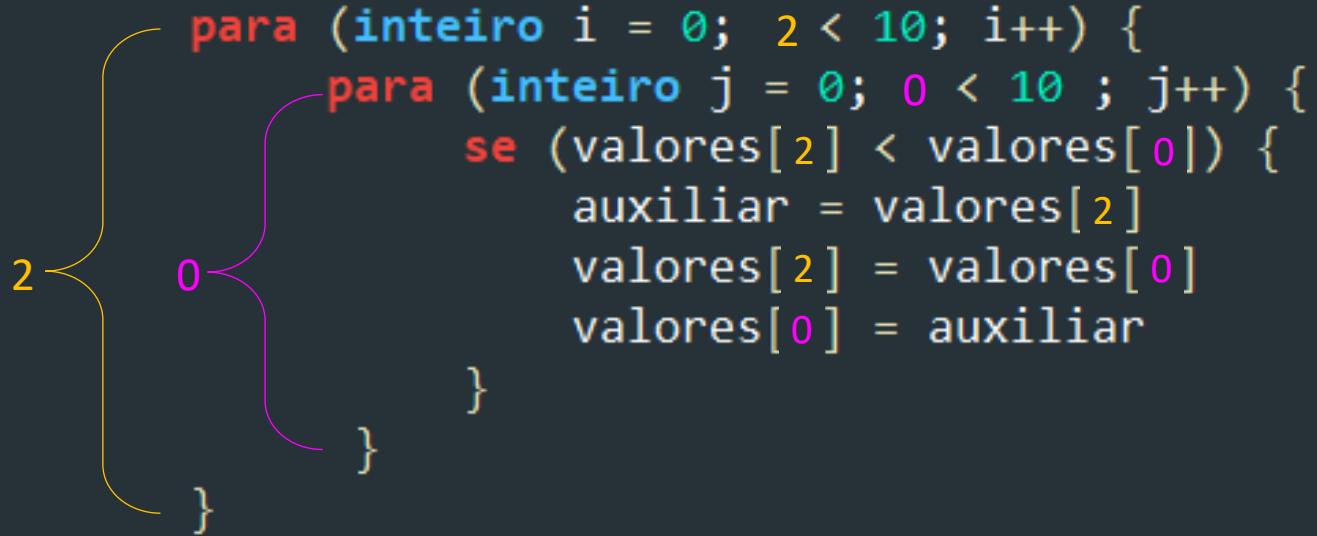
```
1 { para (inteiro i = 0; 1 < 10; i++) {  
  9 { para (inteiro j = 0; 9 < 10 ; j++) {  
    se (valores[1] < valores[9]) {  
      auxiliar = valores[1]  
      valores[1] = valores[9]  
      valores[9] = auxiliar  
    }  
  }  
}
```

i	1
j	9
auxiliar	13

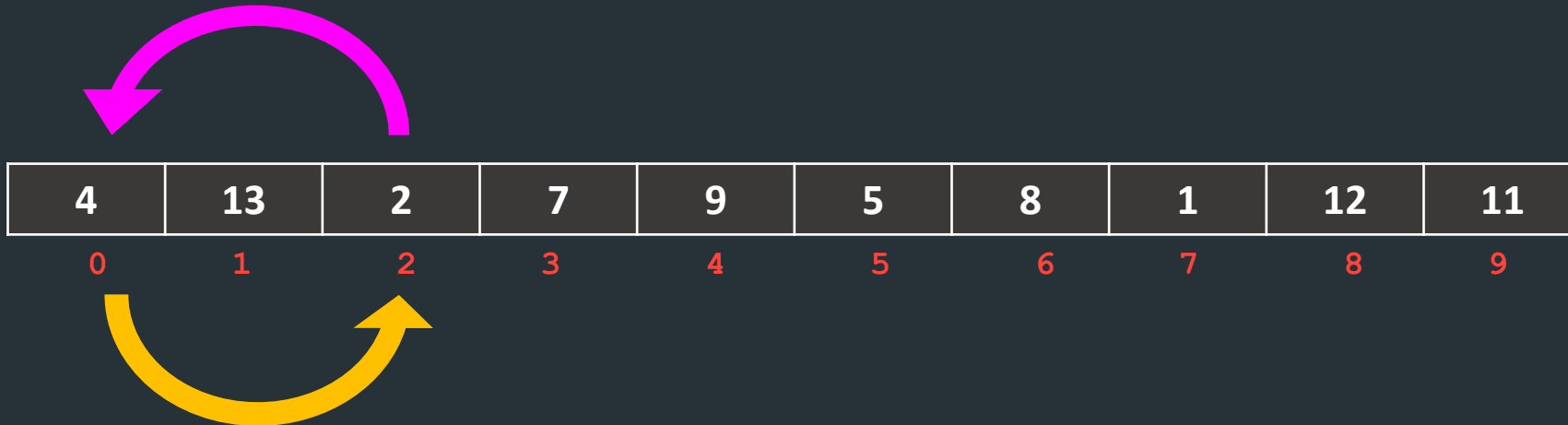
4	13	2	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
  para (inteiro j = 0; 0 < 10 ; j++) {  
    se (valores[2] < valores[0]) {  
      auxiliar = valores[2]  
      valores[2] = valores[0]  
      valores[0] = auxiliar  
    }  
  }  
}
```

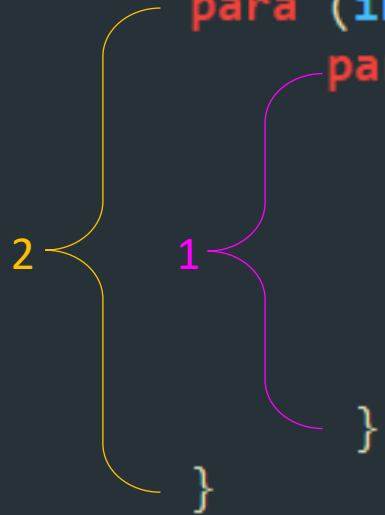


i	2
j	0
auxiliar	2

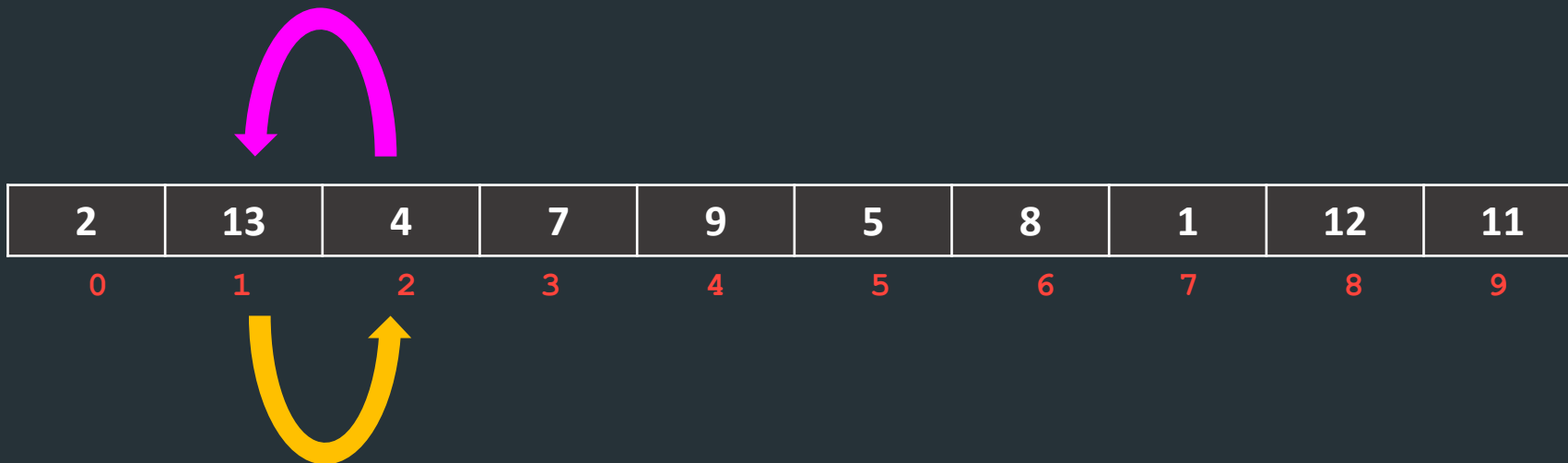


```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
  para (inteiro j = 0; 1 < 10 ; j++) {  
    se (valores[2] < valores[1]) {  
      auxiliar = valores[2]  
      valores[2] = valores[1]  
      valores[1] = auxiliar  
    }  
  }  
}
```

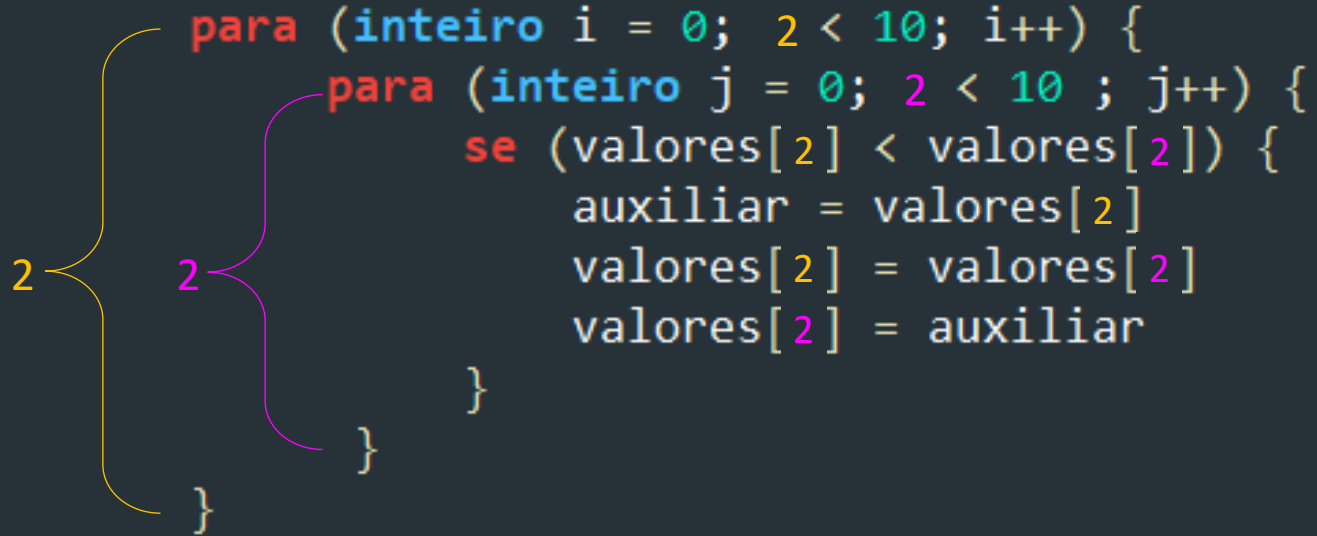


i	2
j	1
auxiliar	4



```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 2 < 10 ; j++) {  
        se (valores[2] < valores[2]) {  
            auxiliar = valores[2]  
            valores[2] = valores[2]  
            valores[2] = auxiliar  
        }  
    }  
}
```

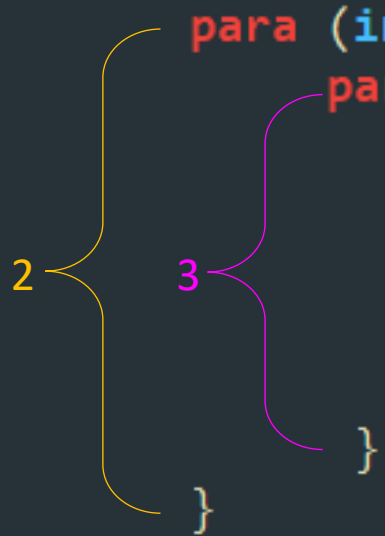


i	2
j	2
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9


```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 3 < 10 ; j++) {  
        se (valores[2] < valores[3]) {  
            auxiliar = valores[2]  
            valores[2] = valores[3]  
            valores[3] = auxiliar  
        }  
    }  
}
```

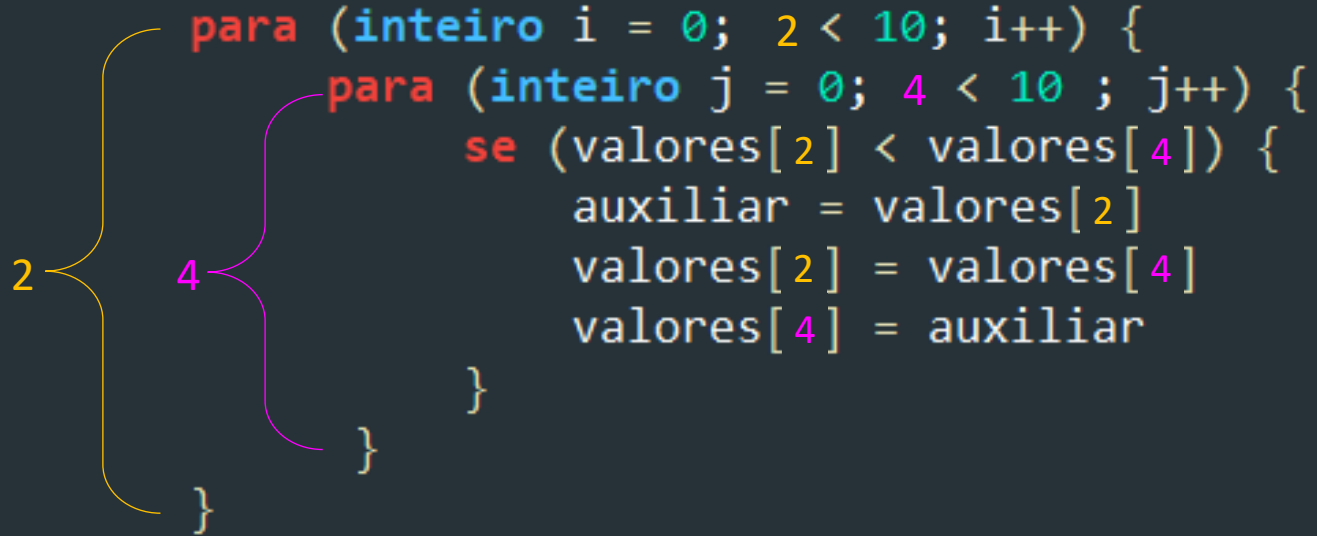


i	2
j	3
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 4 < 10 ; j++) {  
        se (valores[2] < valores[4]) {  
            auxiliar = valores[2]  
            valores[2] = valores[4]  
            valores[4] = auxiliar  
        }  
    }  
}
```

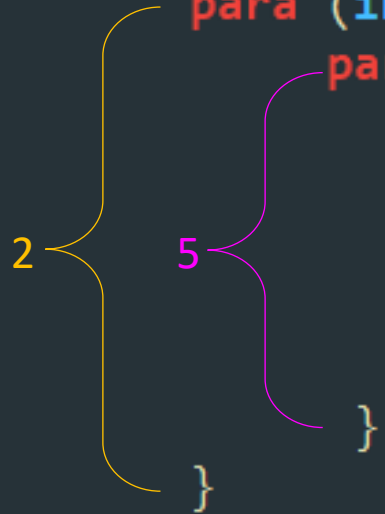


i	2
j	4
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 5 < 10 ; j++) {  
        se (valores[2] < valores[5]) {  
            auxiliar = valores[2]  
            valores[2] = valores[5]  
            valores[5] = auxiliar  
        }  
    }  
}
```

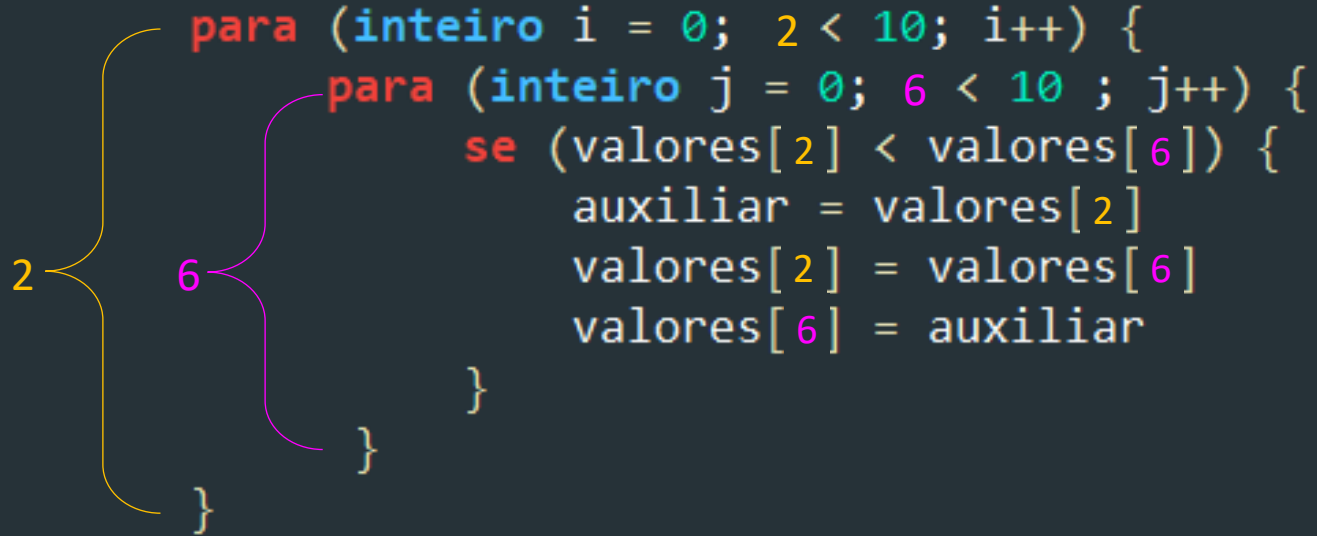


i	2
j	5
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 6 < 10 ; j++) {  
        se (valores[2] < valores[6]) {  
            auxiliar = valores[2]  
            valores[2] = valores[6]  
            valores[6] = auxiliar  
        }  
    }  
}
```

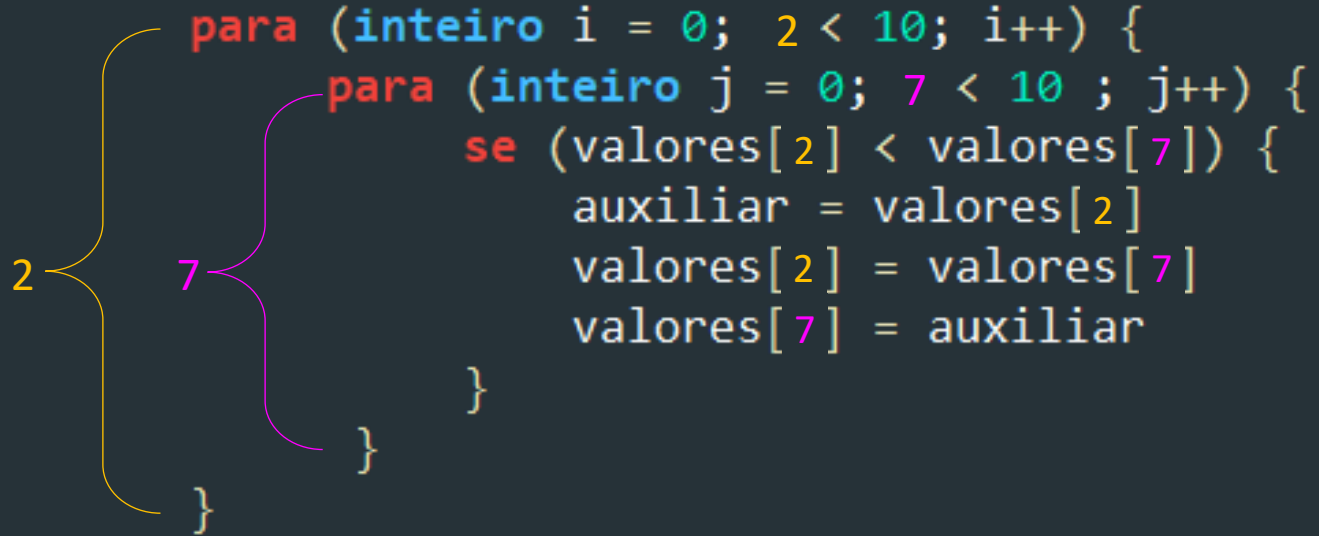


i	2
j	6
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 7 < 10 ; j++) {  
        se (valores[2] < valores[7]) {  
            auxiliar = valores[2]  
            valores[2] = valores[7]  
            valores[7] = auxiliar  
        }  
    }  
}
```

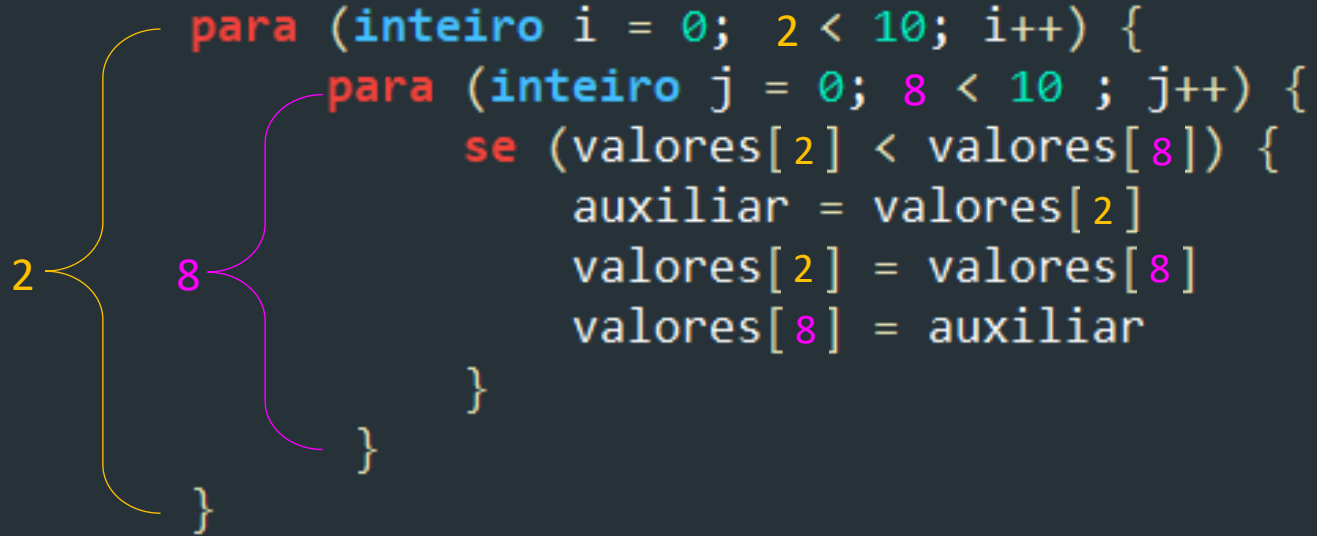


i	2
j	7
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 8 < 10 ; j++) {  
        se (valores[2] < valores[8]) {  
            auxiliar = valores[2]  
            valores[2] = valores[8]  
            valores[8] = auxiliar  
        }  
    }  
}
```

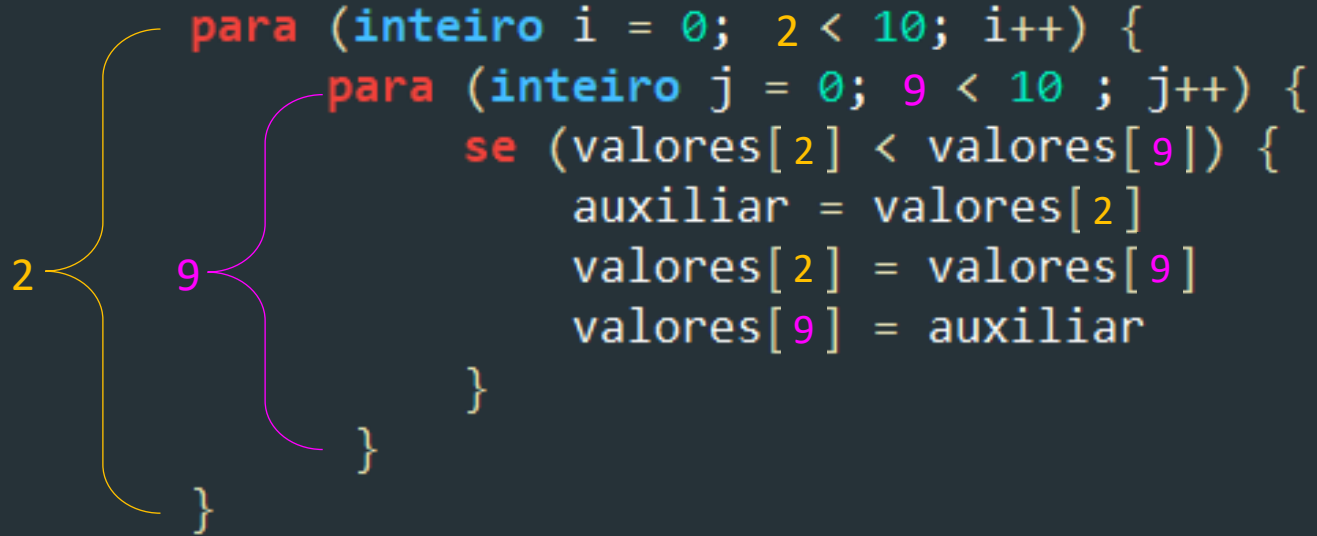


i	2
j	8
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 2 < 10; i++) {  
    para (inteiro j = 0; 9 < 10 ; j++) {  
        se (valores[2] < valores[9]) {  
            auxiliar = valores[2]  
            valores[2] = valores[9]  
            valores[9] = auxiliar  
        }  
    }  
}
```

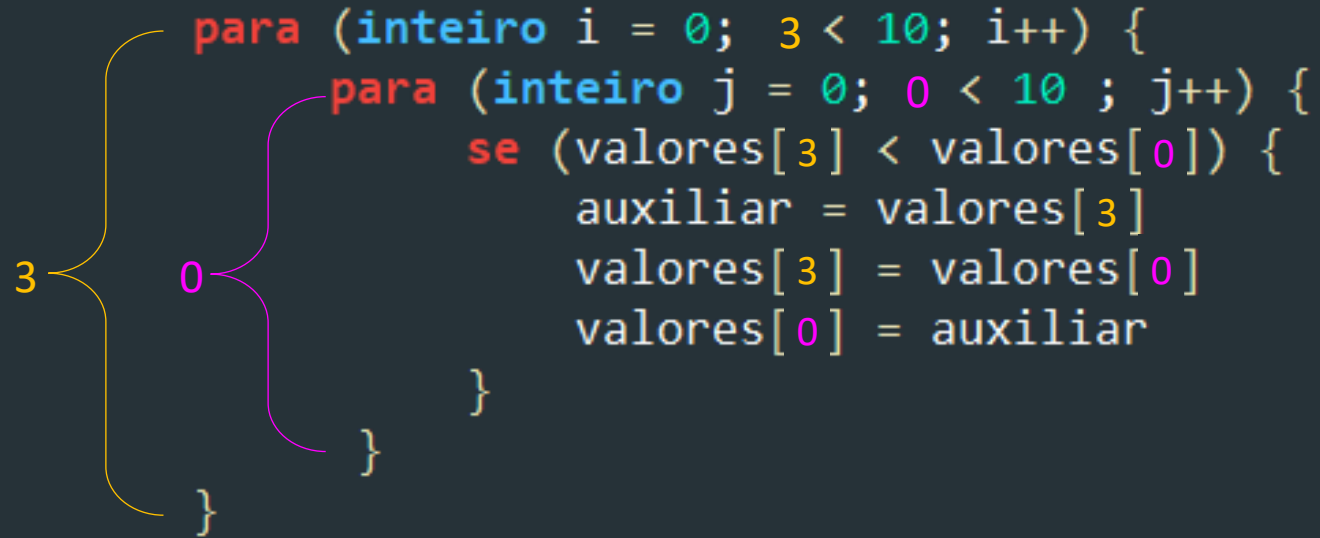


i	2
j	9
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9

```
inteiro valores[10] = {4, 7, 2, 9, 13, 5, 8, 1, 12, 11}, auxiliar=0
```

```
para (inteiro i = 0; 3 < 10; i++) {  
    para (inteiro j = 0; 0 < 10 ; j++) {  
        se (valores[3] < valores[0]) {  
            auxiliar = valores[3]  
            valores[3] = valores[0]  
            valores[0] = auxiliar  
        }  
    }  
}
```



i	3
j	0
auxiliar	4

2	4	13	7	9	5	8	1	12	11
0	1	2	3	4	5	6	7	8	9