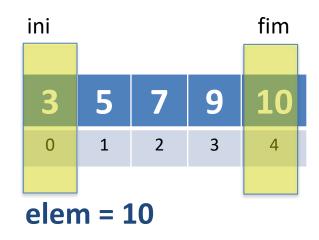
```
def buscaBin (lista,elem):
ini = 0
fim = len(lista) - 1
while (ini <= fim):
  meio = int((ini+fim)/2)
   if (lista[meio] == elem):
     return (meio)
  else:
     if (elem < lista[meio]):</pre>
       fim = meio - 1
     else:
       ini = meio + 1
return(-1)
```

3	5	7	9	10
0	1	2	3	4

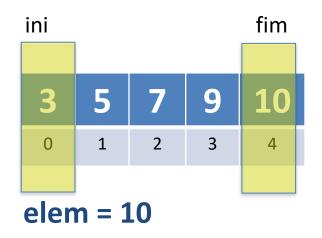
ini	fim	meio
0		

```
def buscaBin (lista,elem):
ini = 0
fim = len(lista) - 1
while (ini <= fim):
  meio = int((ini+fim)/2)
   if (lista[meio] == elem):
     return (meio)
  else:
     if (elem < lista[meio]):</pre>
       fim = meio - 1
     else:
       ini = meio + 1
return(-1)
```



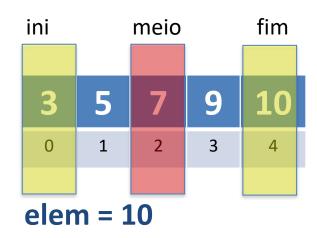
ini	fim	meio
0	4	

```
def buscaBin (lista,elem):
ini = 0
fim = len(lista) - 1
                         0 <= 4
while (ini <= fim):
   meio = int((ini+fim)/2)
   if (lista[meio] == elem):
     return (meio)
   else:
     if (elem < lista[meio]):</pre>
       fim = meio - 1
     else:
       ini = meio + 1
return(-1)
```

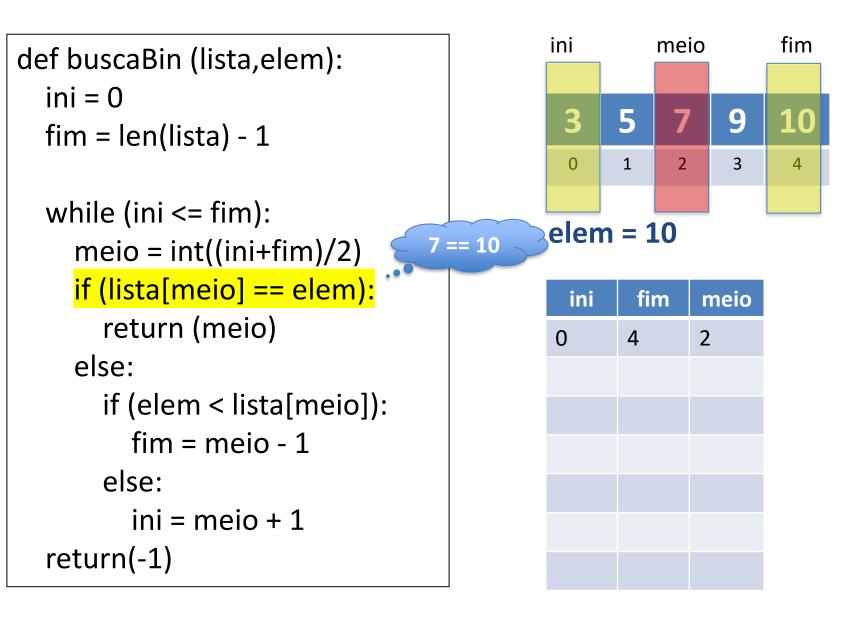


ini	fim	meio
0	4	

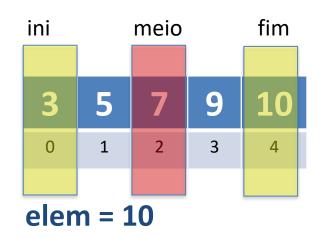
```
def buscaBin (lista,elem):
ini = 0
fim = len(lista) - 1
while (ini <= fim):
  meio = int((ini+fim)/2)
  if (lista[meio] == elem):
     return (meio)
  else:
     if (elem < lista[meio]):</pre>
       fim = meio - 1
     else:
       ini = meio + 1
return(-1)
```



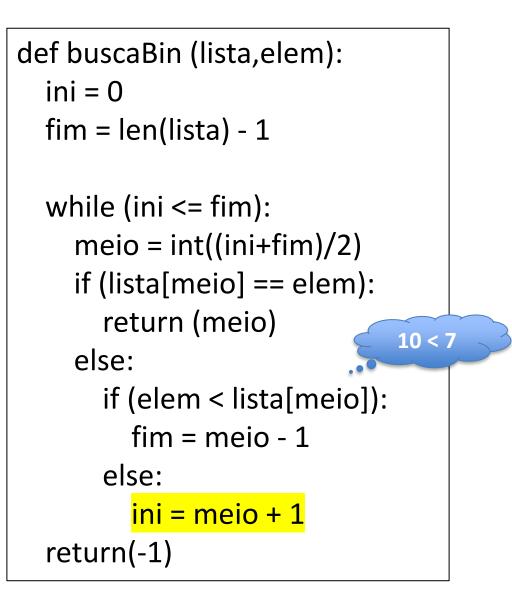
fim	meio
4	2



```
def buscaBin (lista,elem):
ini = 0
fim = len(lista) - 1
while (ini <= fim):
   meio = int((ini+fim)/2)
   if (lista[meio] == elem):
     return (meio)
                               10 < 7
   else:
     if (elem < lista[meio]):</pre>
        fim = meio - 1
     else:
       ini = meio + 1
return(-1)
```



ini	fim	meio
0	4	2

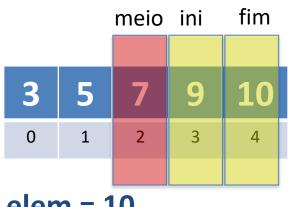




	0 100	_	1	
E	lem	_	4	U

ini	fim	meio
0	4	2
3	4	

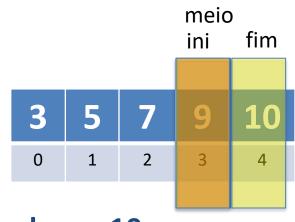
```
def buscaBin (lista,elem):
ini = 0
fim = len(lista) - 1
                        3 <= 4
while (ini <= fim):
   meio = int((ini+fim)/2)
   if (lista[meio] == elem):
     return (meio)
   else:
     if (elem < lista[meio]):</pre>
        fim = meio - 1
     else:
       ini = meio + 1
return(-1)
```



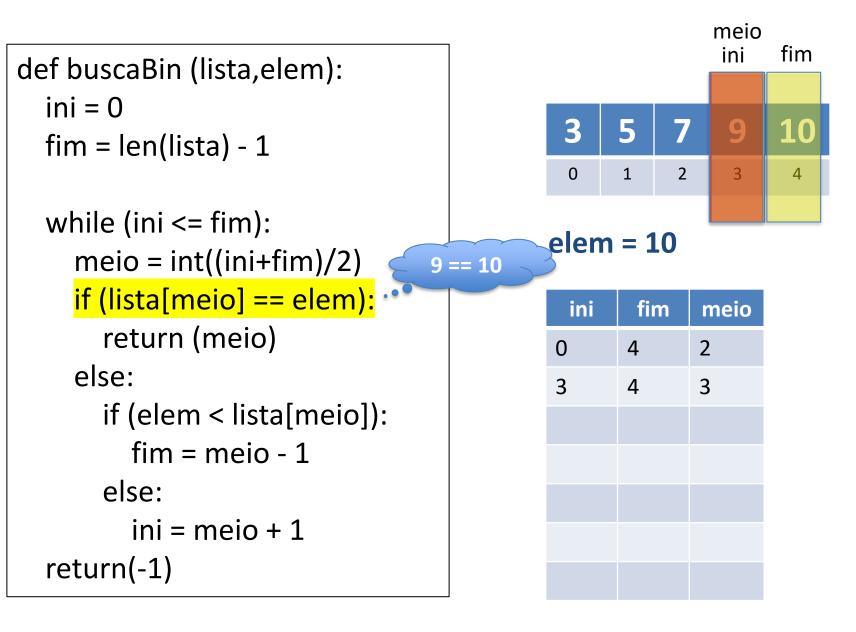
elem = 1	1	O
----------	---	---

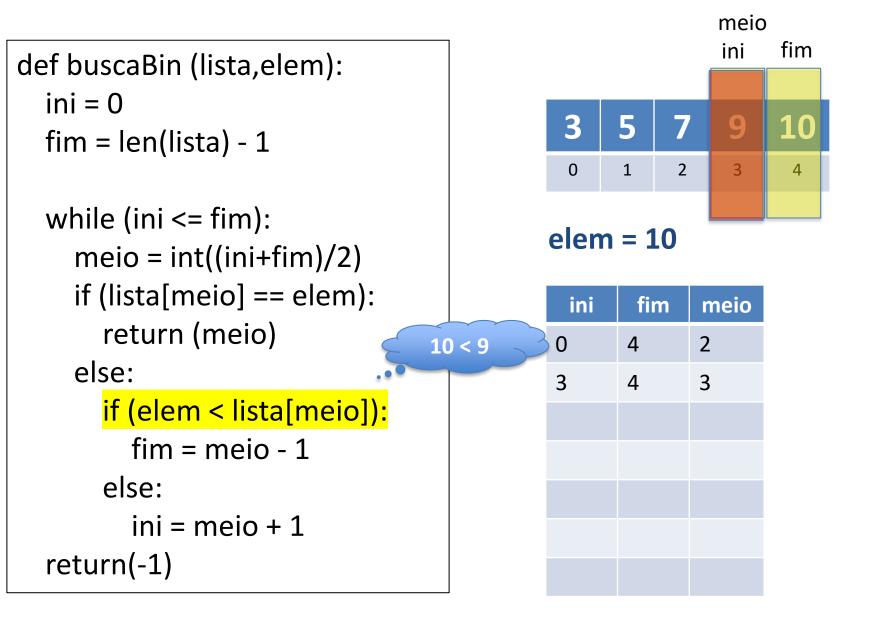
ini	fim	meio
0	4	2
3	4	

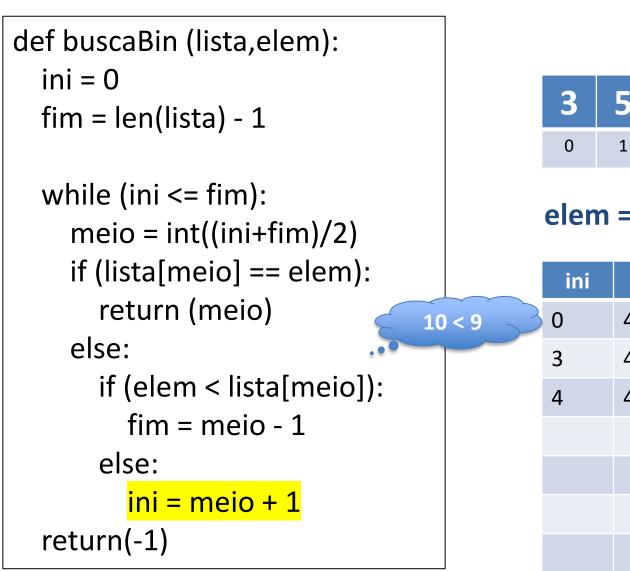
```
def buscaBin (lista,elem):
ini = 0
fim = len(lista) - 1
while (ini <= fim):
  meio = int((ini+fim)/2)
   if (lista[meio] == elem):
     return (meio)
  else:
     if (elem < lista[meio]):</pre>
       fim = meio - 1
     else:
       ini = meio + 1
return(-1)
```



ini	fim	meio
0	4	2
3	4	3

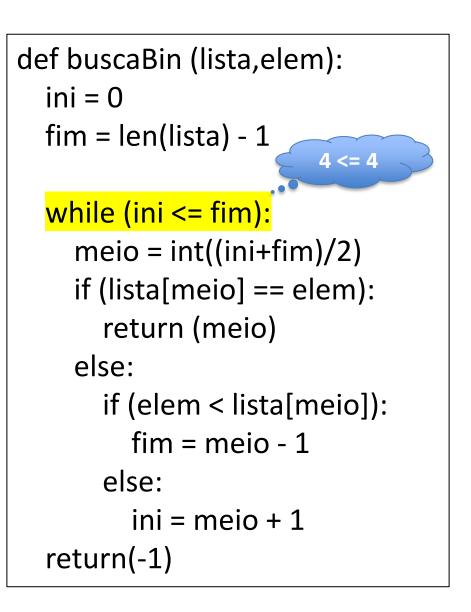


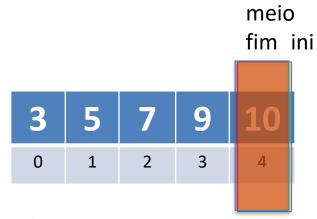




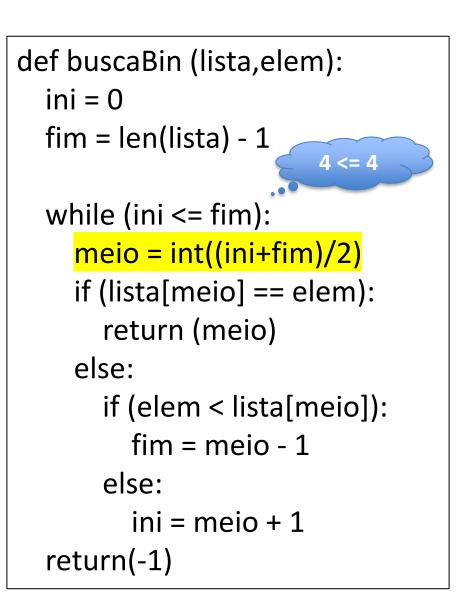
				meic	
				fim i	ni
3	5	7	9	10	
0	1	2	3	4	

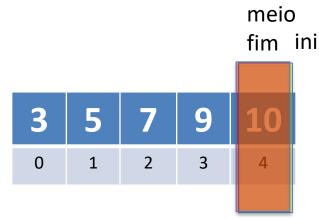
	ini	fim	meio
(	)	4	2
	3	4	3
2	1	4	



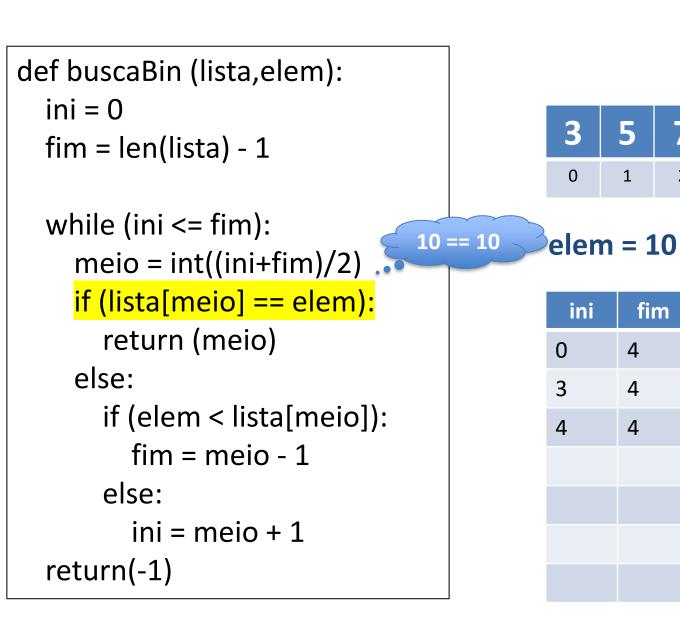


ini	fim	meio
0	4	2
3	4	3
4	4	



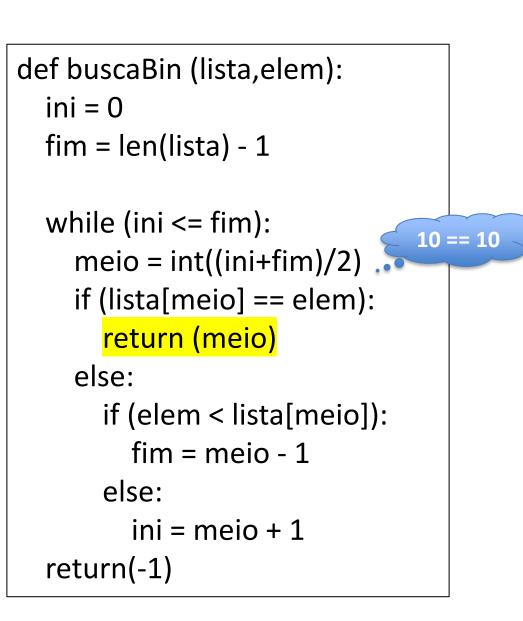


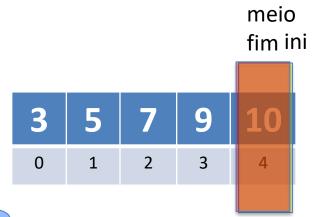
ini	fim	meio
0	4	2
3	4	3
4	4	4



				mei	0
				fim	ini
3	5	7	9	10	
0	1	2	3	4	

ini	fim	meio
0	4	2
3	4	3
4	4	4





ini	fim	meio
0	4	2
3	4	3
4	4	4