```
def bubbleSort (lista):
```

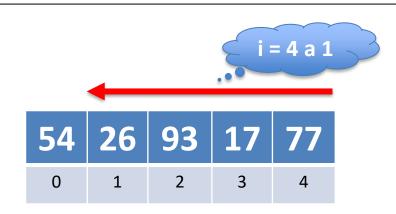
```
tam = len(lista)
for i in range(tam-1,0,-1):
  for j in range(i):
```

```
if lista[j] > lista[j+1]:
   temp = lista[j]
   lista[j] = lista[j+1]
   lista[j+1] = temp
```

54	26	93	17	77
0	1	2	3	4

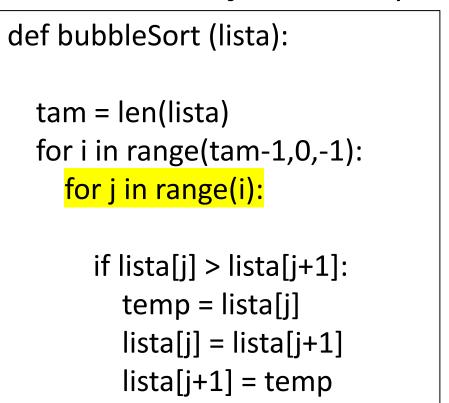
tam	i	j	temp
5			

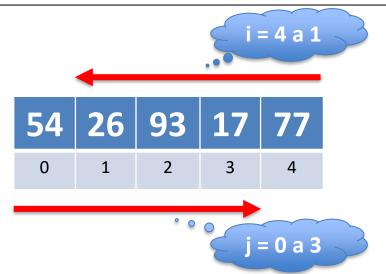
```
def bubbleSort (lista):
  tam = len(lista)
  for i in range(tam-1,0,-1):
     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

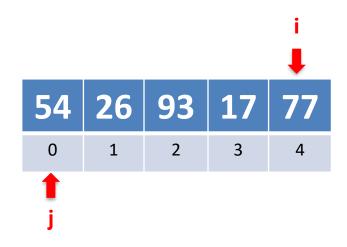


					i
					1
5	54	26	93	17	77
	0	1	2	3	4

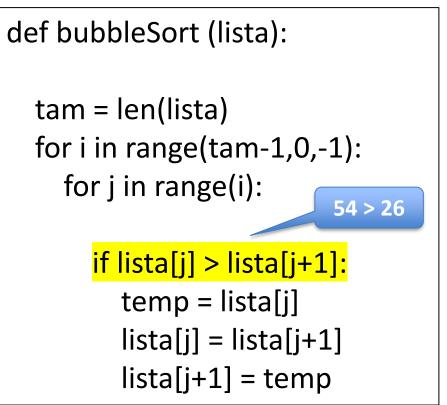
tam	i	j	temp
5	4		

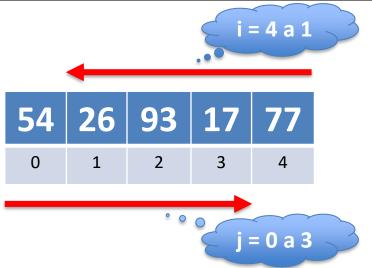


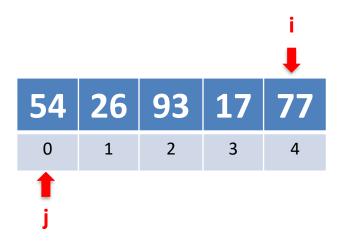




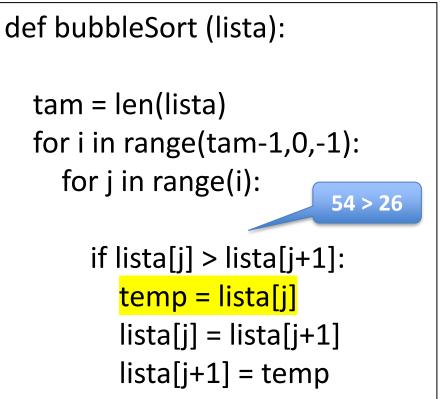
i	j	temp
4	0	
	•	' '

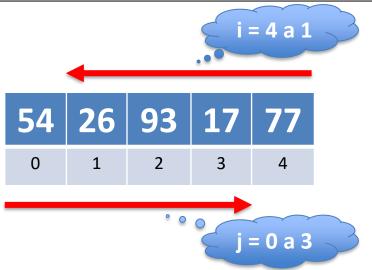


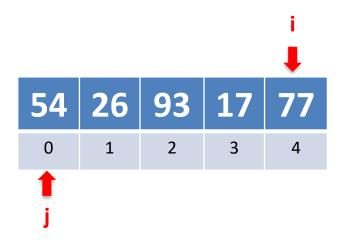




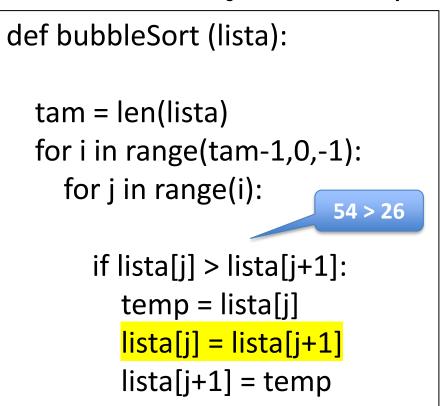
i	j	temp
4	0	
	•	' '

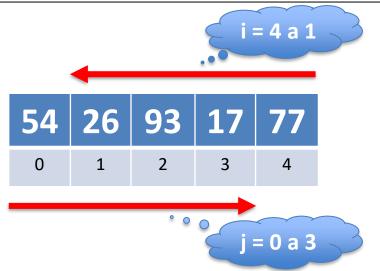


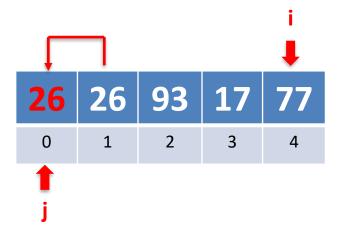




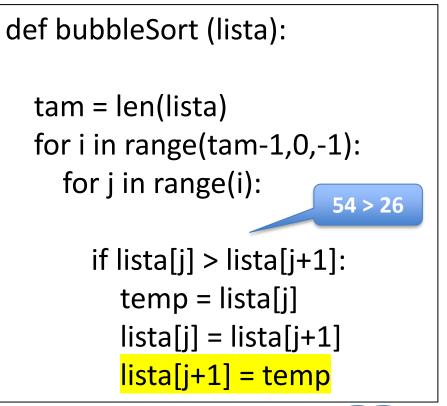
i	j	temp
4	0	54
	_	' '

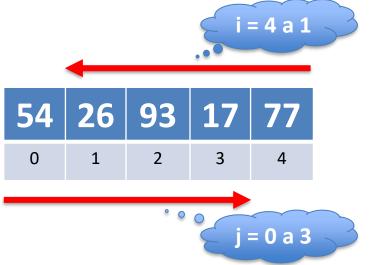


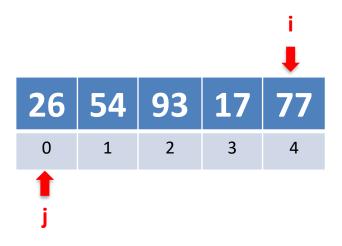




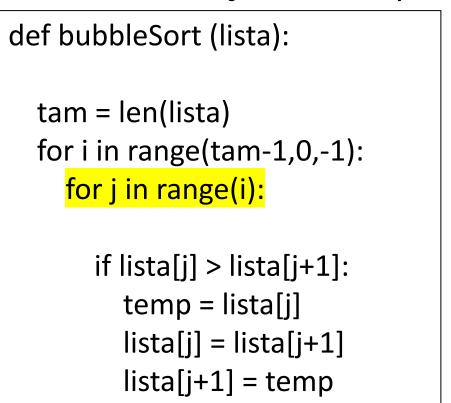
i	j	temp
4	0	54
	_	. ,

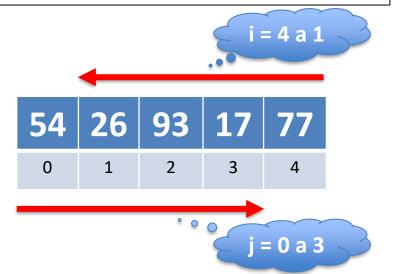


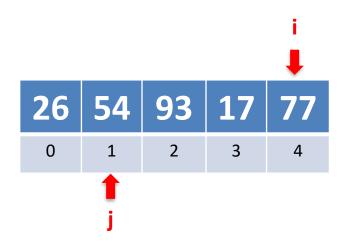




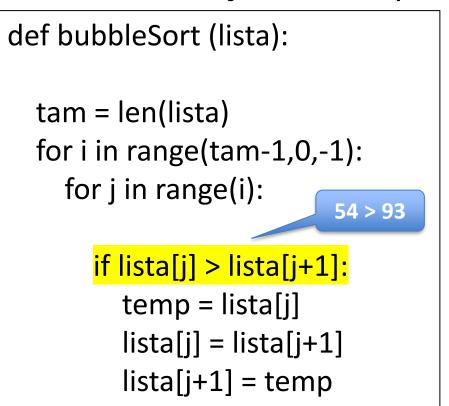
i	j	temp
4	0	54
	•	· ,

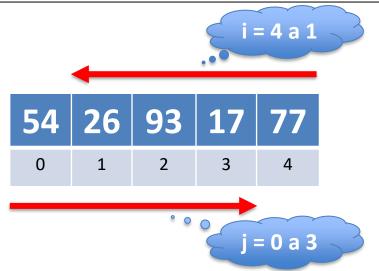


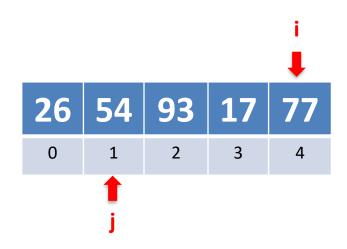




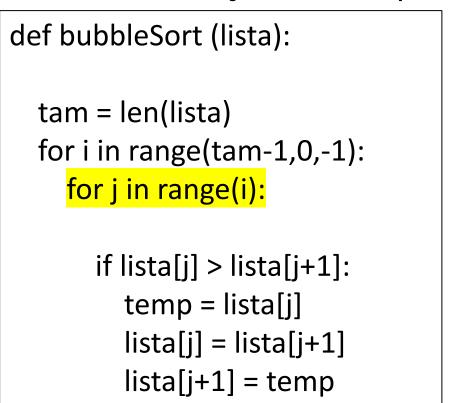
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5	4	1	

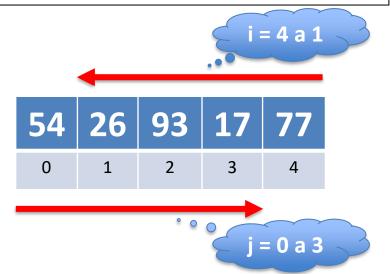


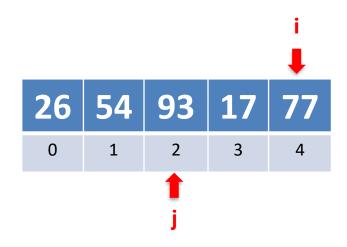




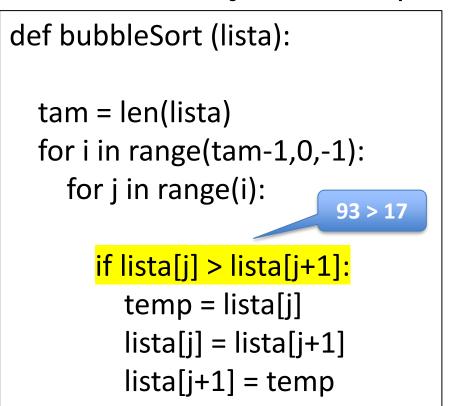
tam	i	j	temp
5	4	0	54
5	4	1	

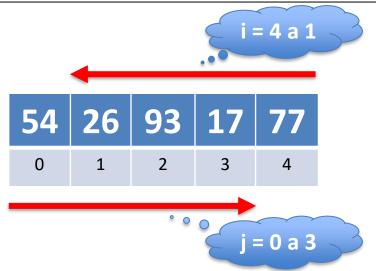


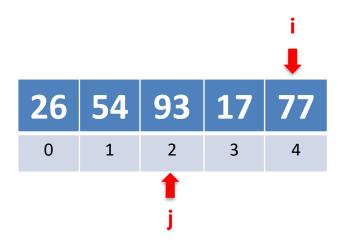




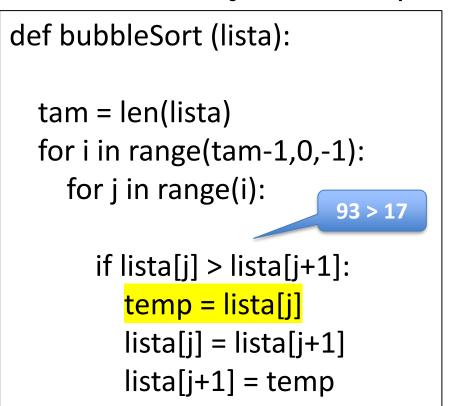
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	

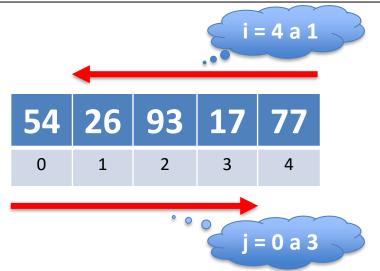


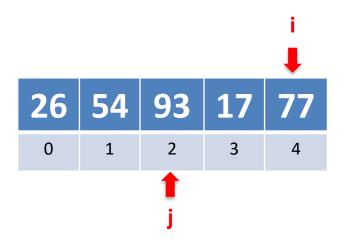




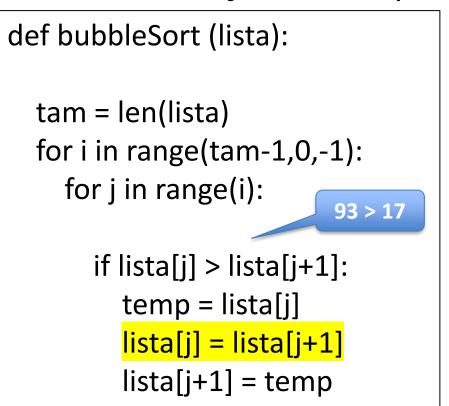
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	

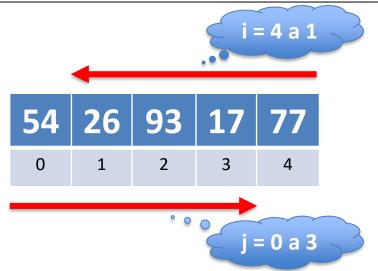


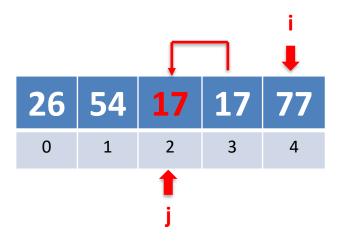




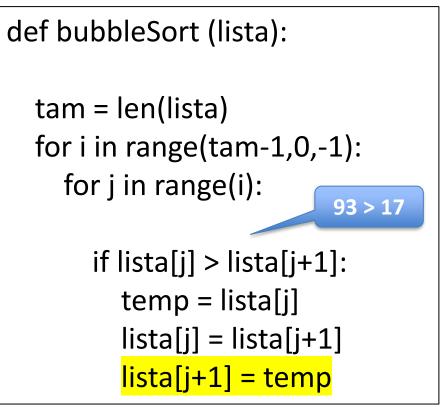
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93

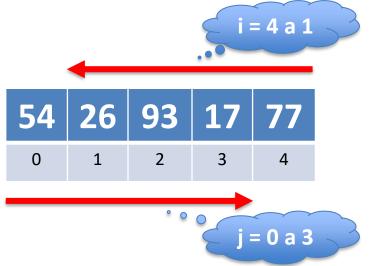


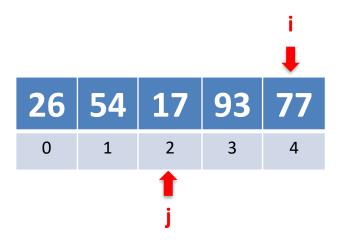




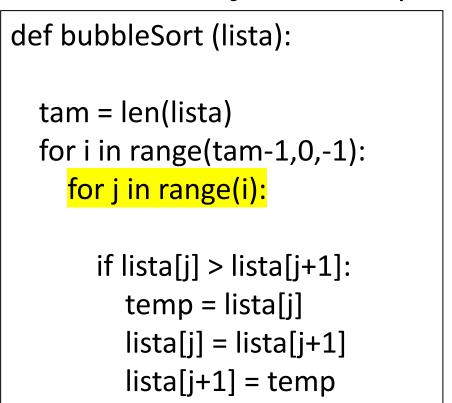
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93

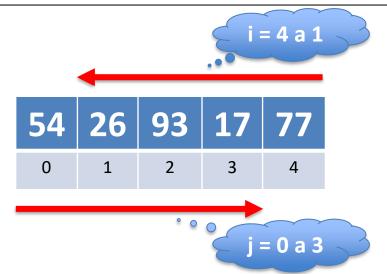


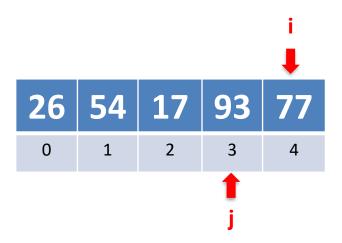




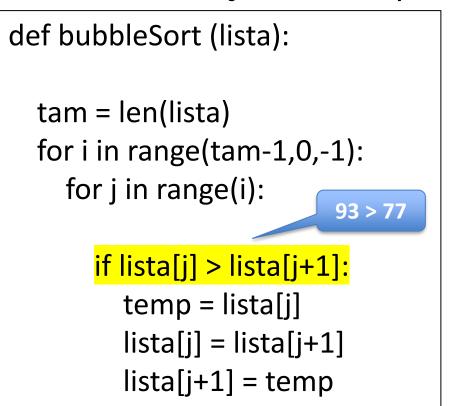
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93

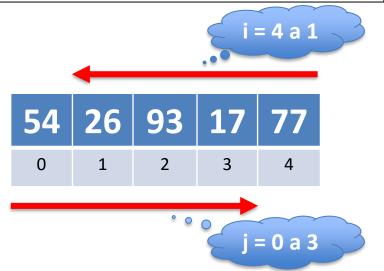


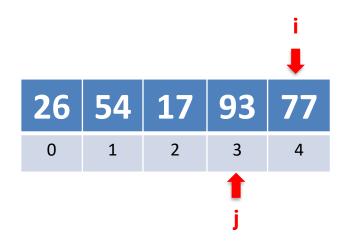




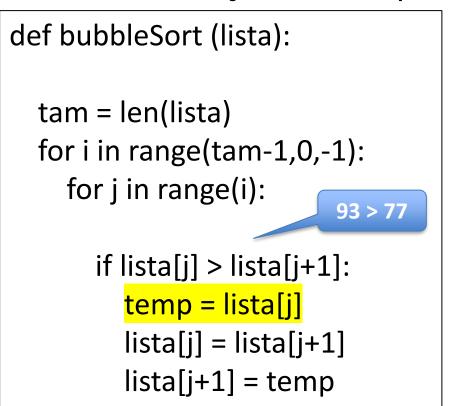
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93
5	4	3	

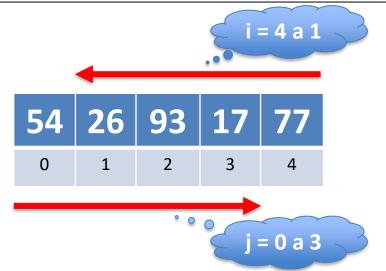


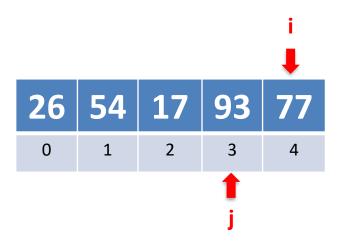




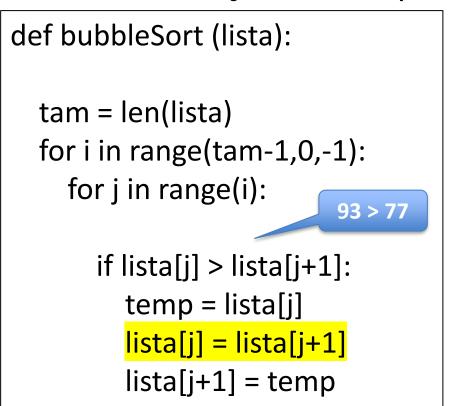
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93
5	4	3	

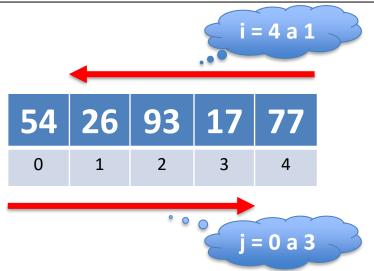


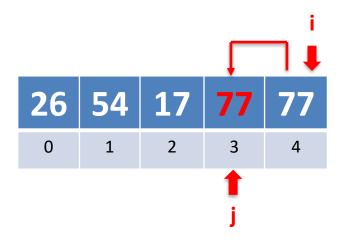




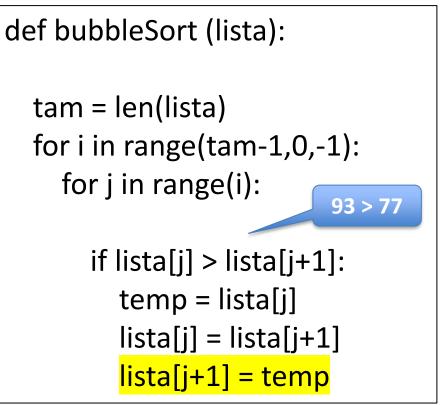
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93
5	4	3	93

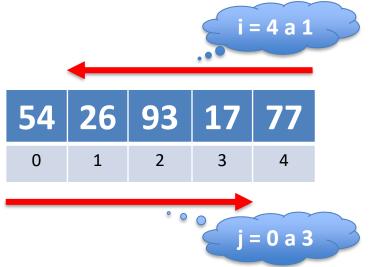


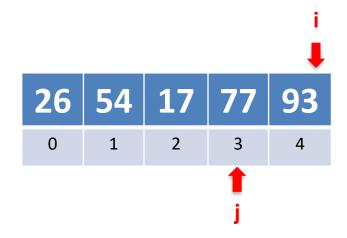




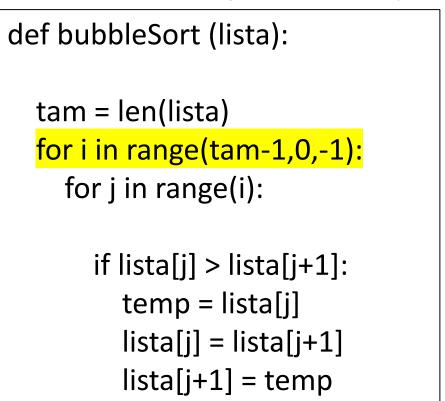
tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93
5	4	3	93

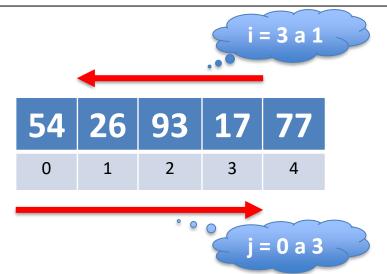


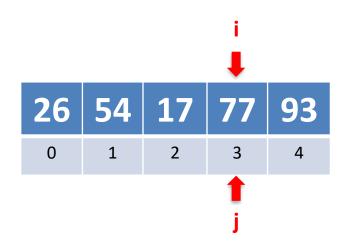




tam	i	j	temp
5	4	0	54
5	4	1	
5	4	2	93
5	4	3	93

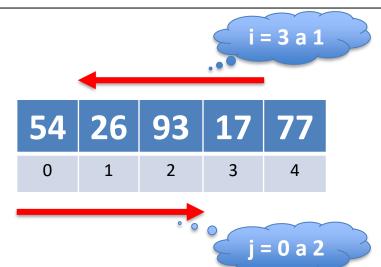


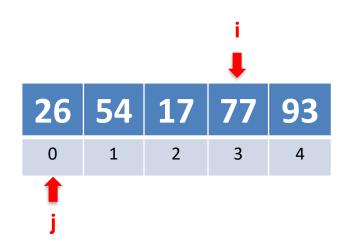




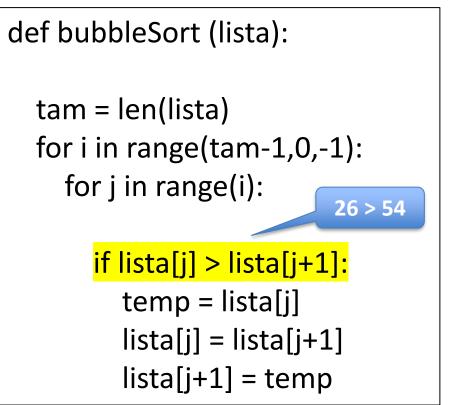
tam	i	j	temp
5	3		

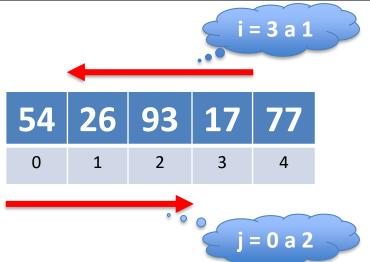
```
def bubbleSort (lista):
  tam = len(lista)
  for i in range(tam-1,0,-1):
     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

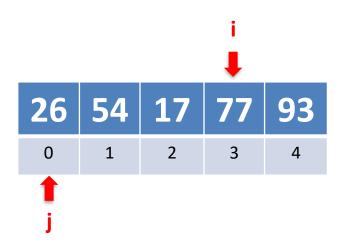




tam	i	j	temp
5	3	0	

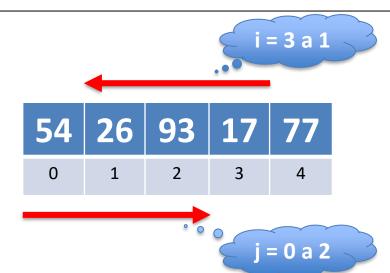


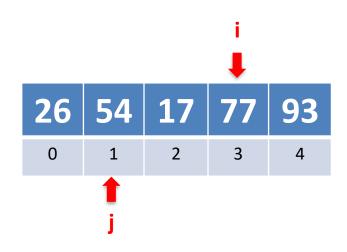




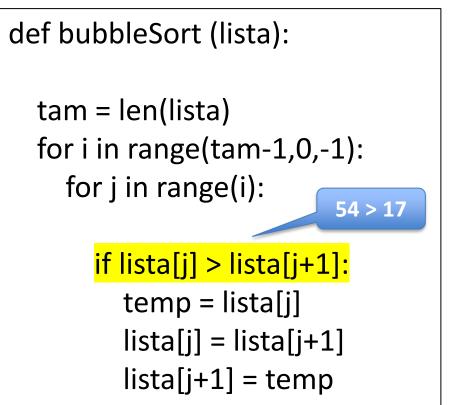
tam	i	j	temp
5	3	0	

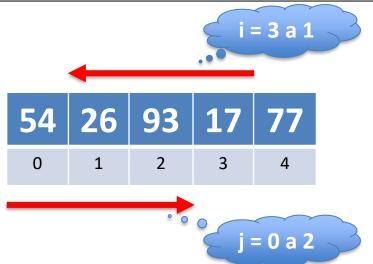
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  tam = len(lista)
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     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

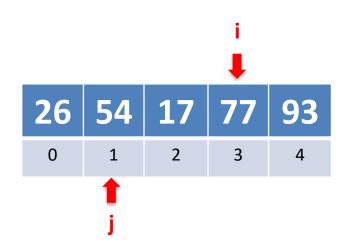




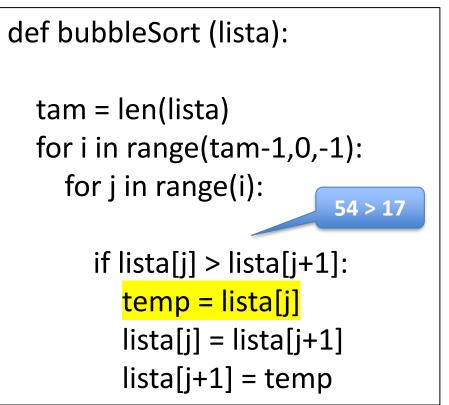
tam	i	j	temp
5	3	0	
5	3	1	

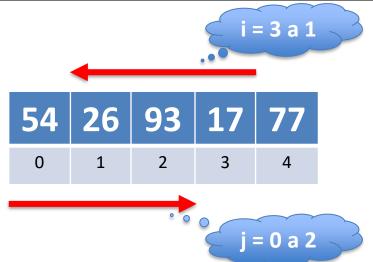


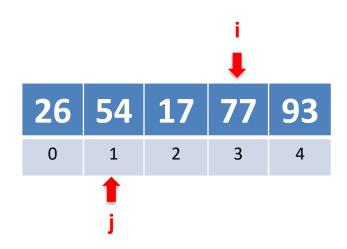




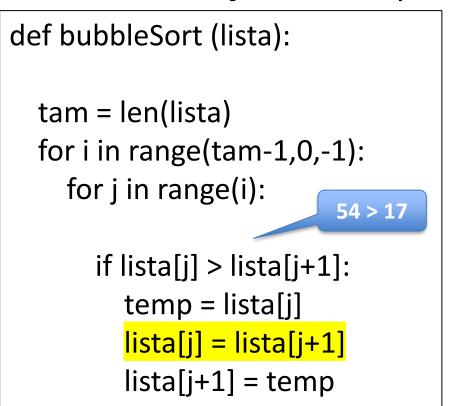
tam	i	j	temp
5	3	0	
5	3	1	

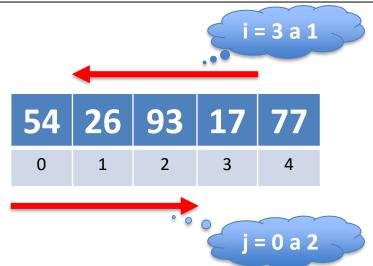


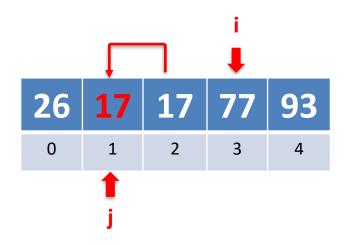




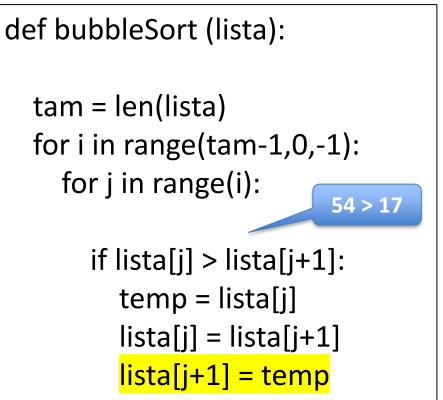
tam	i	j	temp
5	3	0	
5	3	1	54

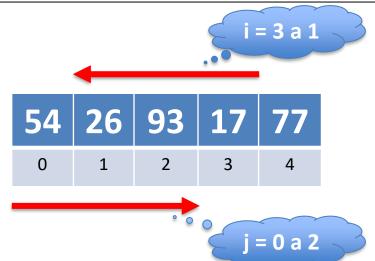


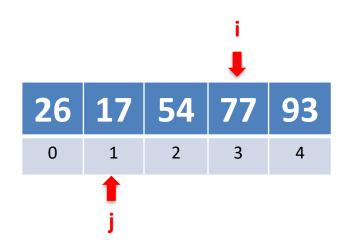




tam	i	j	temp
5	3	0	
5	3	1	54

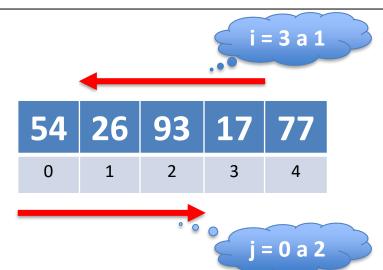


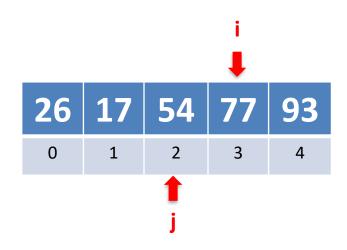




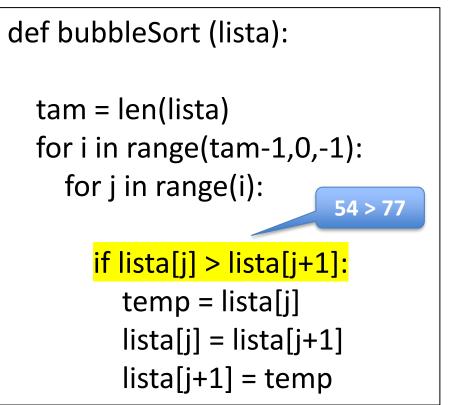
tam	i	j	temp
5	3	0	
5	3	1	54

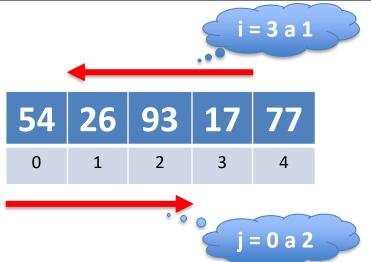
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     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

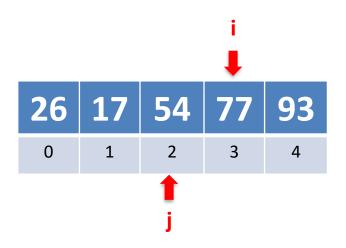




tam	i	j	temp
5	3	0	
5	3	1	54
5	3	2	

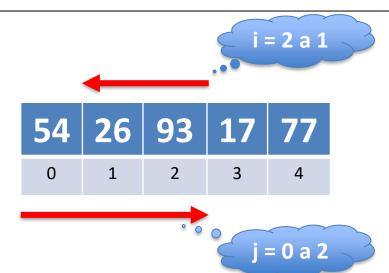


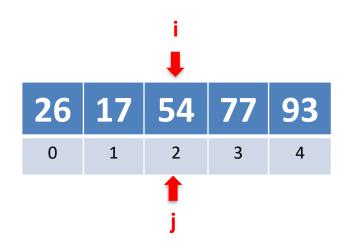




tam	i	j	temp
5	3	0	
5	3	1	54
5	3	2	

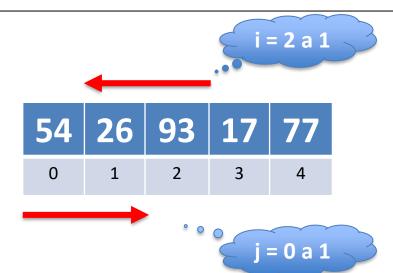
```
def bubbleSort (lista):
  tam = len(lista)
  for i in range(tam-1,0,-1):
     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

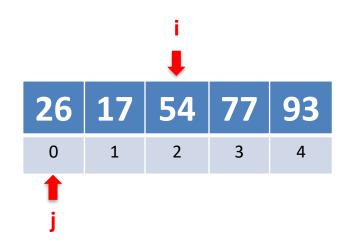




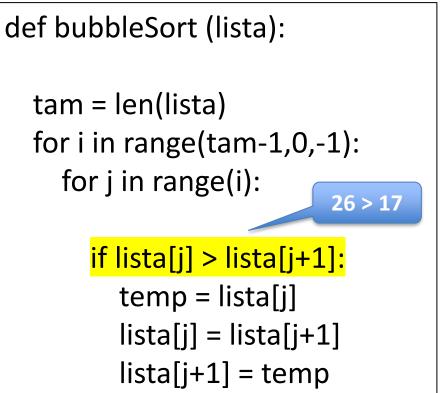
tam	i	j	temp
5	2		

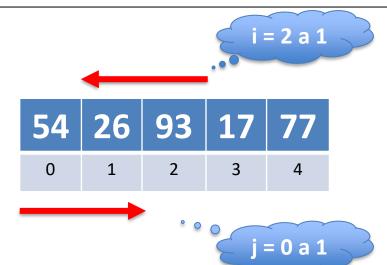
```
def bubbleSort (lista):
  tam = len(lista)
  for i in range(tam-1,0,-1):
     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

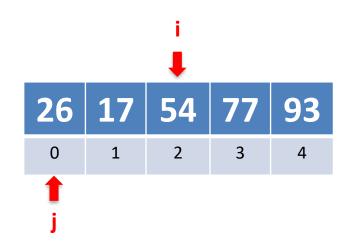




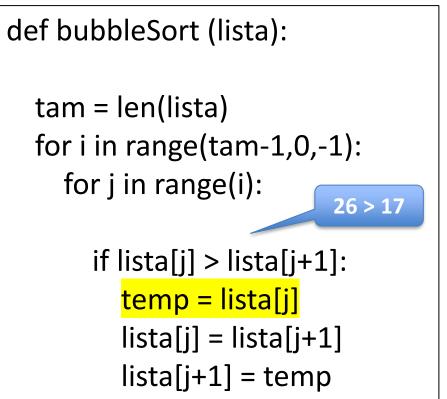
tam	i	j	temp
5	2	0	

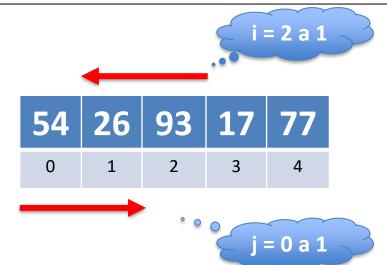


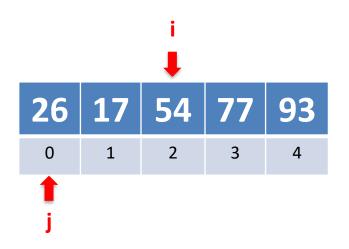




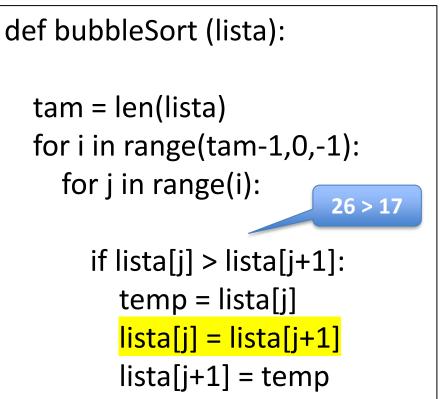
tam	i	j	temp
5	2	0	

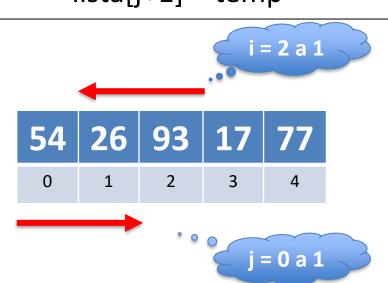


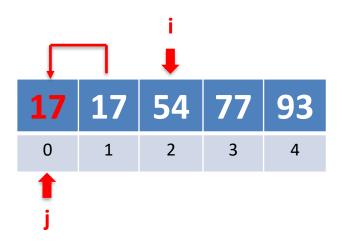




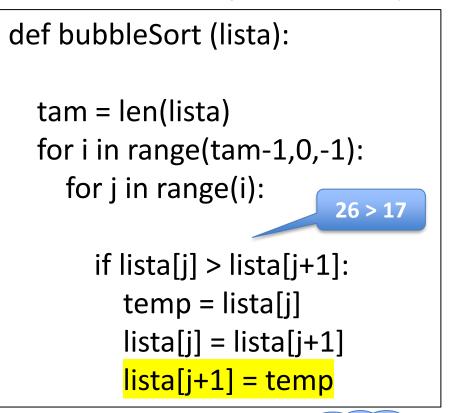
tam	i	j	temp
5	2	0	26

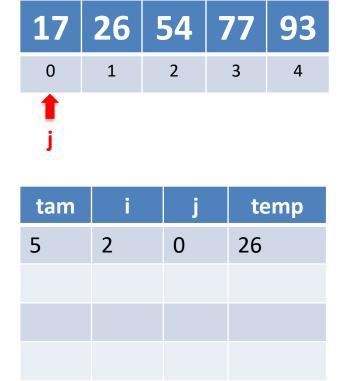


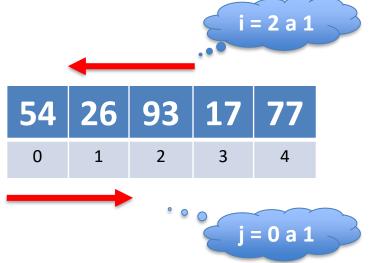




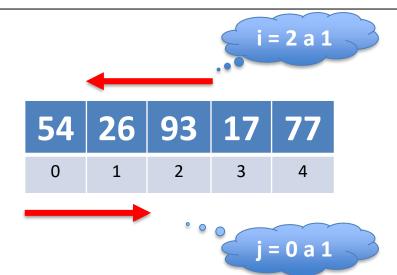
tam	i	j	temp
5	2	0	26

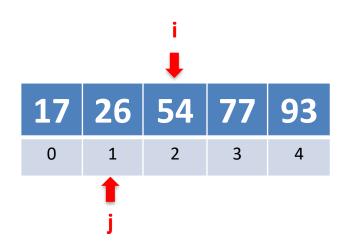




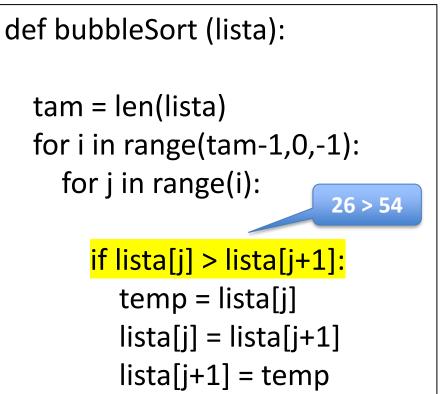


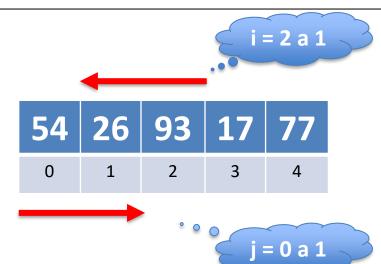
```
def bubbleSort (lista):
  tam = len(lista)
  for i in range(tam-1,0,-1):
     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

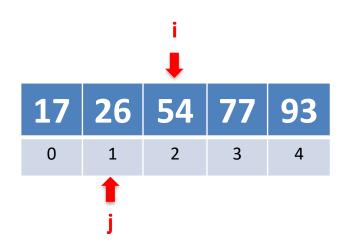




tam	i	j	temp
5	2	0	26
5	2	1	

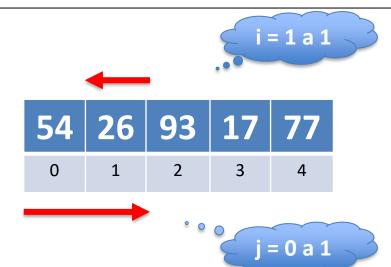


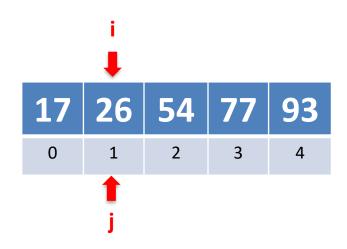




tam	i	j	temp
5	2	0	26
5	2	1	

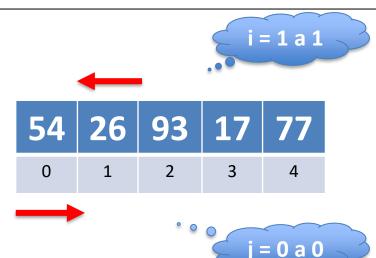
```
def bubbleSort (lista):
  tam = len(lista)
  for i in range(tam-1,0,-1):
     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

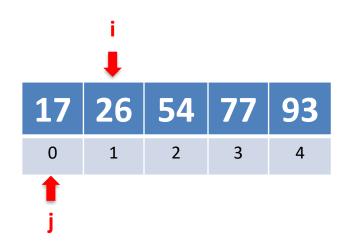




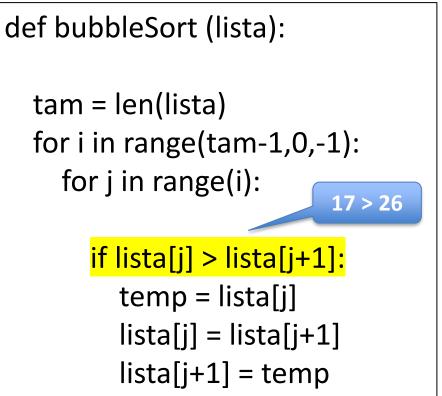
tam	i	j	temp
5	1		

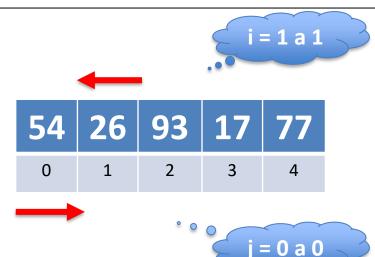
```
def bubbleSort (lista):
  tam = len(lista)
  for i in range(tam-1,0,-1):
     for j in range(i):
       if lista[j] > lista[j+1]:
          temp = lista[j]
          lista[j] = lista[j+1]
          lista[j+1] = temp
```

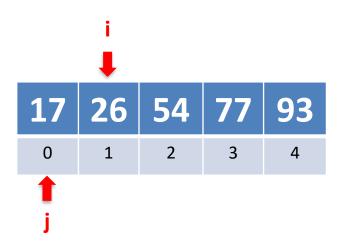




tam	i	j	temp
5	1	0	







tam	i	j	temp
5	1	0	