

```
keyword = "caba"  
sorted_keyword = ["a", "a", "b", "c"]  
priority = []  
m = keyword length
```

loop for (m) iterations:

iteration #1 (i = 0):

```
in keyword, char at index (i) is "c"  
in sorted_keyword, first appearance of "c" is at index 3  
add 3 to priority  
priority = [3]  
in sorted_keyword, change element at index 3 to None  
sorted_keyword = ["a", "a", "b", None]
```

iteration #2 (i = 1):

```
in keyword, char at index (i) is "a"  
in sorted_keyword, first appearance of "a" is at index 0  
add 0 to priority  
priority = [3, 0]  
in sorted_keyword, change element at index 0 to None  
sorted_keyword = [None, "a", "b", None]
```

iteration #3 (i = 2):

```
in keyword, char at index (i) is "b"  
in sorted_keyword, first appearance of "b" is at index 2  
add 2 to priority  
priority = [3, 0, 2]  
in sorted_keyword, change element at index 2 to None  
sorted_keyword = [None, "a", None, None]
```

iteration #4 (i = 3):

```
in keyword, char at index (i) is "a"  
in sorted_keyword, first appearance of "a" is at index 1  
add 1 to priority  
priority = [3, 0, 2, 1]  
in sorted_keyword, change element at index 1 to None  
sorted_keyword = [None, None, None, None]
```