

# Correction

 Script Python

```
1 def fusion(tab1, tab2):
2     tab_fusion = []
3     i1 = 0
4     i2 = 0
5     while i1 < len(tab1) and i2 < len(tab2):
6         if tab1[i1] < tab2[i2]:
7             tab_fusion.append(tab1[i1])
8             i1 += 1
9         else:
10            tab_fusion.append(tab2[i2])
11            i2 += 1
12
13    if i1 == len(tab1):
14        while i2 < len(tab2):
15            tab_fusion.append(tab2[i2])
16            i2 += 1
17    else:
18        while i1 < len(tab1):
19            tab_fusion.append(tab1[i1])
20            i1 += 1
21
22 return tab_fusion
```

