

23 NSI 24

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In [ ]: def fusion(lst1, lst2):  
    n1 = len(lst1)  
    n2 = len(lst2)  
    lst12 = [0] * (n1 + n2)  
    i1 = 0  
    i2 = 0  
    i = 0  
    while i1 < n1 and i2 < n2 :  
        if lst1[i1] < lst2[i2]:  
            lst12[i] = lst1[i1]  
            i1 = i1 + 1  
        else:  
            lst12[i] = lst2[i2]  
            i2 = i2 + 1  
        i += 1  
    while i1 < n1:  
        lst12[i] = lst1[i1]  
        i1 = i1 + 1  
        i = i + 1  
    while i2 < n2:  
        lst12[i] = lst2[i2]  
        i2 = i2 + 1  
        i = i + 1  
    return lst12
```

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