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./solutions/exo2.py
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def fusion(L1, L2):
n1 = len(L1)
n2 = len(L2)
L12 = [0]*(n1+n2)
i1 = 0
i2 = 0
i = 0
while i1 < n1 and i2 < n2:
    if L1[i1] < L2[i2]:
        L12[i] = L1[i1]
        i1 = i1 + 1
    else:
        L12[i] = L2[i2]
        i2 = i2 + 1
    while i1 < n1:
    L12[i] = L1[i1]
    i1 = i1 + 1
while i1 < n1:
    L12[i] = L1[i1]
    i1 = i1 + 1
    i = i + 1
while i2 < n2:
    L12[i] = L2[i2]
    i2 = i2 + 1
    i = i + 1
return L12</pre>
```