

NUMS 1: [1, 2, 3, -, -, -] (p1)

NUMS 2: [2, 5, 6] (p2)

Steps :

1. Comparison: $1 < 2$, add 1 \rightarrow nums1

2. Comparison: $2 == 2$, add 2 \rightarrow nums1

...

Result: [1, 2, 2, 3, 5, 6]