Q1. Given two sorted arrays and a number x, find the pair whose sum is closest to x and the pair has an element from each array.

We are given two arrays ar1[0...m-1] and ar2[0..n-1] and a number x, we need to find the pair ar1[i] + ar2[j] such that absolute value of (ar1[i] + ar2[j] - x) is minimum.

Example:

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Input: ar1[] = \{1, 4, 5, 7\};

ar2[] = \{10, 20, 30, 40\};

x = 33

Output: 4 and 30

Input: ar1[] = \{1, 4, 5, 7\};

ar2[] = \{10, 20, 30, 40\};

x = 50
```

Output: 7 and 40

Q-2: Given an array of **N** integers, the task is to arrange them in a **circular** arrangement in such a way that the element is strictly less than the sum of its adjacent elements. In case such an arrangement is not possible, then print **-1**.

Example:

Input: $arr[] = \{1, 4, 4, 3, 2\}$

Output: 1 3 4 4 2

$$arr[0] = 1 < (2 + 3)$$

 $arr[1] = 4 < (1 + 4)$
 $arr[2] = 4 < (4 + 3)$
 $arr[3] = 3 < (4 + 2)$
 $arr[4] = 2 < (3 + 1)$

Input: $arr[] = \{8, 13, 5\}$

Output: -1