

Pairs with difference K

[Send Feedback](#)

You are given with an array of integers and an integer K. Write a program to find and print all pairs which have difference K.

Take difference as absolute.

Input Format :

Line 1 : Integer n, Size of array

Line 2 : Array elements (separated by space)

Line 3 : K

Output format :

Print pairs in different lines (pair elements separated by space). In a pair, smaller element should be printed first.

(Order of different pairs is not important)

Constraints :

$0 \leq n \leq 10^4$

Sample Input 1 :

```
4
5 1 2 4
3
```

Sample Output 1 :

```
2 5
1 4
```

Sample Input 2 :

```
4
4 4 4 4
0
```

Sample Output 2 :

```
4 4
4 4
4 4
4 4
4 4
4 4
```