

## Closest Numbers ☆

64 more points to get your next star!

Rank: 1682245 | Points: 36/100



Your Closest Numbers submission got 35.00 points.



You are now 64 points away from the 2nd star for your problem solving badge.

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```
import math
import os
import random
import re
import sys

# Complete the closestNumbers function below.
def closestNumbers(arr):
    output = []
    arr = sorted(arr)
    current_min= 10**9
    for i in range(1,len(arr)):
        difference = abs(arr[i-1] - arr[i])

        if difference < current_min:
```

```

        output =[(arr[i-1],arr[i])]
        current_min = difference

    elif difference == current_min:
        output.append((arr[i-1],arr[i]))

flat_list = [i for sublist in output for i in sublist]
return flat_list

if __name__ == '__main__':
    fptr = open(os.environ['OUTPUT_PATH'], 'w')

    n = int(input())

    arr = list(map(int, input().rstrip().split()))

    result = closestNumbers(arr)

    fptr.write(' '.join(map(str, result)))
    fptr.write('\n')

    fptr.close()

```