First pair with frequency sum over limit   X87305_en

Given a sequence of integers we are interested in frequencies of the sums of consecutive number pairs. For instance, the sums of consecutive number pairs of the input sequence $5, 7, 6, 5, 8, 4, 5$ are $12, 13, 11, 13, 12, 9$. Note that pair sums 12 and 13 have frecuency two, and the first pair in the sequence achieving a frecuency sum greater than one is $5, 8$. Write a program that given a limit k and a sequence of integers computes the first pair of consecutive numbers achieving a frequency sum greater than k. For instance, provided that k is one and given the previous input sequence the first pair achieving a frequency sum greater than k is $5, 8$.

Input

Input consists of a nonnegative integer k followed by a sequence of two or more integers.

Output

The first pair of consecutive numbers in the input sequence achieving frequency sum greater than k. If there is no such a pair, the message `not found` must be printed.

Sample input 1

```
1
5 7 6 5 8 4 5
```

Sample output 1

```
5 8
```

Sample input 2

```
2
5 7 6 5 8 4 5
```

Sample output 2

```
not found
```

Sample input 3

```
2
1 2 2 1 0 0 0 1 5 3 -3 -1 4
```

Sample output 3

```
3 -3
```

Problem information

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