

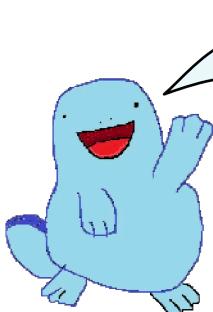
## F. Peter's polygon problem

Difficulty: Medium

Time: 3 s

Memory: 1024 MB

by shcal



heloo!! uwu it me peetah jin  
n dis iz my supa dupa  
problum owo.

givven array  $a$  wit  $n$  pozitive intejers, u must find some  $l, r$  ( $1 \leq l, l + 2 \leq r \leq n$ ) such dat  $a_l, \dots, a_r$  can b da side langths of some non-degenerat pollygon (dat meens polygon haz nonzero areaa owo!!). also u need 2 minimiz  $r - l$ . can u do it??!?

### Inpumbuxiageucxih

da furst line contans un intger  $n$  ( $3 \leq n \leq 10^5$ ).

da sekond line contans  $n$  pozitive intagers  $a_1, \dots, a_n$  ( $0 < a_i \leq 10^{12}$ , zero is bannd  $>:3$ ).

o, i almos fogor! itz guranted dat der iz att leest 1 pear  $l, r$  satissfyeing teh afermontined reqwiremen!

### stanwar oput

prrint 1 line wit 2 intgers an spaec in midle  $l, r$  ( $1 \leq l + 2 \leq r \leq n$ ). if dere r multipl possibillitees of  $l, r$  dat minimiz  $r - l$ , spit out da one wit ze teeniest  $l$  owo.

### swapmel on

Input

```
5
4 2 9 1 4
```

Output

```
1 5
```

### Explanation

sowwy i 2 lazye to explien dis, butt metink it vewy tribial.

### snnapnle tooh

Input

```
10
69 42 1 2 1 46 1 2 1 10
```

Output

```
1 6
```