

Given five positive integers, find the minimum and maximum values that can be calculated by summing exactly four of the five integers. Then print the respective minimum and maximum values as a single line of two space-separated long integers.

Example

```
arr = [1,3,5,7,9]
```

The minimum sum is  $1 + 3 + 5 + 7 = 16$  and the maximum sum is  $3 + 5 + 7 + 9 = 24$ . The function prints

16 24

Print

Print two space-separated integers on one line: the minimum sum and the maximum sum of of elements.

Input Format

A single line of five space-separated integers.

Output Format

Print two space-separated long integers denoting the respective minimum and maximum values that can be calculated by summing exactly four of the five integers.

(The output can be greater than a 32 bit integer.)

Sample Input

```
1 2 3 4 5
```

Sample Output

```
10 14
```