Mini-Max Sum ☆

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
```

Function Description

Complete the miniMaxSum function in the editor below.

miniMaxSum has the following parameter(s):

- arr: an array of 5 integers

Print

Print two space-separated integers on one line: the minimum sum and the maximum sum of 4 of 5 elements.

Input Format

A single line of five space-separated integers.

Constraints

$1 \leq arr[i] \leq 10^9$

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
```

Explanation

The numbers are 1, 2, 3, 4, and 5. Calculate the following sums using four of the five integers:

1. Sum everything except 1, the sum is $2 + 3 + 4 + 5 = 14$.
2. Sum everything except 2, the sum is $1 + 3 + 4 + 5 = 13$.
3. Sum everything except 3, the sum is $1 + 2 + 4 + 5 = 12$.
4. Sum everything except 4, the sum is $1 + 2 + 3 + 5 = 11$.
5. Sum everything except 5, the sum is $1 + 2 + 3 + 4 = 10$.

Hints: Beware of integer overflow! Use 64-bit Integer.

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Change Theme Java 8

```
import java.io.*;
import java.math.*;
import java.security.*;
import java.text.*;
import java.util.*;
import java.util.concurrent.*;
import java.util.regex.*;

public class Solution {

    // Complete the miniMaxSum function below.
    static void miniMaxSum(int[] arr) {
        long resultMin = 0;
        long resultMax = 0;
        Arrays.sort(arr);
        for (int i = 0; i < arr.length - 1; i++) {
            resultMin += arr[i];
        }
        for (int i = 1; i < arr.length; i++) {
            resultMax += arr[i];
        }
        System.out.println(resultMin + " " + resultMax);

    }

    private static final Scanner scanner = new Scanner(System.in);
```

Line: 26 Col: 5

Upload Code as File Test against custom input Run Code Submit Code

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You are now 29 points away from the 2nd star for your problem solving badge.

59% 71/100

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You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Compiler Message

Success

Input (stdin) Download

```
1 2 3 4 5
```

Expected Output Download

```
10 14
```