Sample Test case 0

Sample Test case 1

Input (stdin)

```
1  1  1
2  1
```

Your Output (stdout)

```
1  6
```

Expected Output

```
1  6
```

Input (stdin)

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```
1    3 3
2    1 3 4
3    2 2 3
4    1 2 4
```

Your Output (stdout)

```
1    60
```

Expected Output

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```
1    60
```