Practice of the first session of the basics workshop on Tuesday

Origin of Genghis

"Genghis" wants to go to the courtship (courtship?! :/) "Chune". He knows that he may not get a yes answer from the bride the first time (or even the first times). That's why he wants to go to Chune's courtship as much as he can to finally get a positive answer. Genghis has a to shirts, b to pants and c to socks in his wardrobe. He wants to wear a new style every time he goes to propose. In your opinion, how many different styles can Genghis wear?
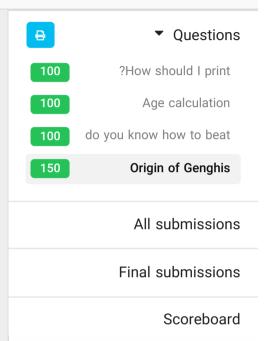
$$1 < a \_ b \_ c < 1\,0\,0\,0$$

Input

The only input line is three numbers a, b and c with spaces.

Output

The output contains a line that shows the number of different states of Genghis's clothing.

Example

Sample input 1

```
5 4 3
```

Sample output 1

```
60
```

Sample input 2

```
2 6 1
```

Sample output 2

```
12
```

.The training period is over

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