TP\_CSF\_Methods\_ManyMethods

Reads three ints *a*, *b*, *c* and writes out the value of the expression *a + b + c + ab + ac + bc + abc*.

Input

There is a single int *a* on the first line.

There is a single int *b* on the second line.

There is a single int *c* on the third line.

Output

There is a single int *n* on the first line where *n = a + b + c + ab + ac + bc + abc*.

Examples

|  |  |
| --- | --- |
| Input | Output |
| 1  1  1 | 7 |
| 1  2  3 | 23 |
| 2  3  4 | 59 |