Linear Algebra Foundations #1 - Matrix Addition

Matrix Addition

Add the two 3×3 matrices given below and find the integers corresponding to a, b, c, d, e, f, g, h, and i:

```
[1  2  3]    [4  5  6]   [a b c]
[2  3  4]  +  [7  8  9] = [d e f]
[1  1  1]    [4  5  7]   [g h i]
```

To submit your answer, enter the resultant values of each of the nine integers (i.e., a, b, c, d, e, f, g, h, and i) on a new line and click *Submit Code*.

Input Format

There is no input for this challenge; calculate the values of a through i using the matrices given above.

Output Format

In the text box below, enter the values of each of the nine integers on a new line. You must have a total of nine lines of output and the integers must be printed in order (i.e., a, b, c, d, e, f, g, h, and i, respectively).

Sample Output

```
1
2
3
4
5
6
7
8
9
```