

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 :

$$\begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 1 & 1 & 1 \end{bmatrix} + \begin{bmatrix} 4 & 5 & 6 \\ 7 & 8 & 9 \\ 4 & 5 & 7 \end{bmatrix} = \begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$

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
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