Linear Algebra Foundations #4- Matrix Multiplication

Problem   Submissions   Leaderboard

Matrix Multiplication

Two matrices of size 3x3 are multiplied as shown below. Find the integers A, B, C, D, E, F, G, H, I in the resultant matrix.

```
[1  2  3 ]      [4  5  6 ]     [A  B  C ]
[2  3  4 ]   x  [7  8  9 ]  =  [D  E  F ]
[1  1  1 ]      [4  5  7 ]     [G  H  I ]
```

In the text box below, enter each of the 9 integers, A, B, C, ... I on a new line.

Change Theme   Language   TypeScript

```typescript
 1   'use strict';
 2
 3   process.stdin.resume();
 4   process.stdin.setEncoding('utf-8');
 5   let inputString: string = '';
 6   let inputLines: string[] = [];
 7   let currentLine: number = 0;
 8   process.stdin.on('data', function(inputStdin: string): void {
 9       inputString += inputStdin;
10   });
11
12   process.stdin.on('end', function(): void {
13       inputLines = inputString.split('\n');
14       inputString = '';
15       main();
16   });
17
18   function readLine(): string {
19       return inputLines[currentLine++];
20   }
21
22   function main() {
23       // Enter your code here
24   }
```

Line: 24 Col: 2

⬆ **Upload Code as File**   ☐ **Test against custom input**

Run Code   `Submit Code`

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Run Code   `Submit Code`