Matrix Multiplication

Challenge :

Problem: Write a program to perform matrix multiplication. Your program should dynamically allocate two matrices of size `MxN` and `NxP` and compute their product. The product of an `MxN` matrix with an `NxP` matrix results in an `MxP` matrix. You must return the result of the multiplication in a dynamically allocated matrix.

Input:

- The first line contains two integers, `M` and `N`, representing the number of rows and columns in the first matrix.
- The next `M` lines contain `N` integers each, representing the elements of the first matrix.
- The line after that contains two integers, `N` and `P`, representing the number of rows and columns in the second matrix (notice that the number of rows in the second matrix equals the number of columns in the first matrix).
- The next `N` lines contain `P` integers each, representing the elements of the second matrix.

Output:

- Output the `MxP` matrix resulting from the matrix multiplication. Each line should contain `P` integers separated by spaces.

Constraints:

- `1 <= M, N, P <= 100`
- Matrix elements are integers and can be negative.

Example :

Input:

```
2 2
1 2
3 4
2 1
1
2
```

Output:

```
5
11
```