# 5521. Maximum Non Negative Product in a Matrix

y Submissions (/contest/weekly-contest-207/problems/maximum-non-negative-product-in-a-matrix/submissions/)

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You are given a rows x cols matrix grid. Initially, you are located at the top-left corner (0, 0), and in each step, you can only **move** right or down in the matrix.

Among all possible paths starting from the top-left corner (0, 0) and ending in the bottom-right corner (rows - 1, cols - 1), find the path with the **maximum non-negative product**. The product of a path is the product of all integers in the grid cells visited along the path.

Return the maximum non-negative product **modulo**  $10^9 + 7$ . If the maximum product is **negative** return -1.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Notice that the modulo is performed after getting the maximum product.

## Example 1:

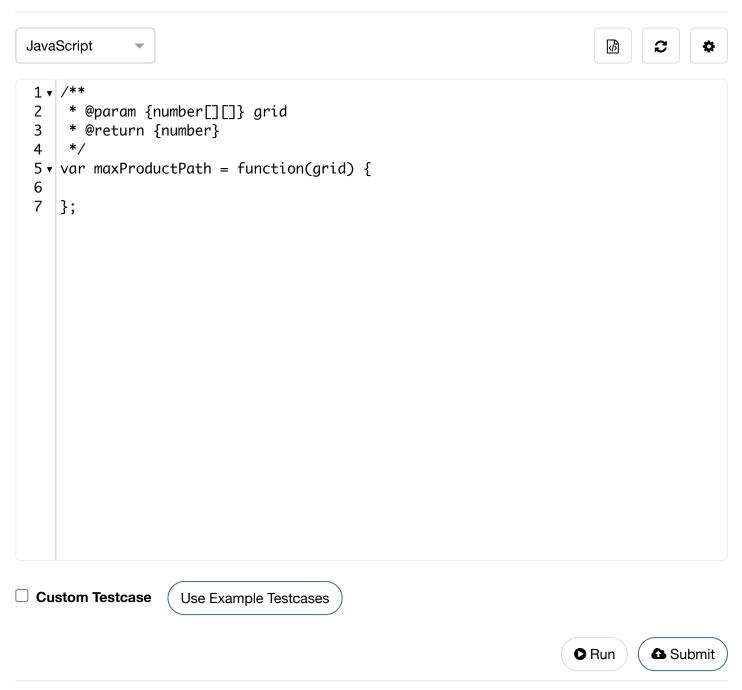
### Example 2:

#### Example 3:

## Example 4:

## **Constraints:**

- 1 <= rows, cols <= 15
- -4 <= grid[i][j] <= 4



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