Given two [sparse matrices](https://en.wikipedia.org/wiki/Sparse_matrix) **A** and **B**, return the result of **AB**.

You may assume that **A**'s column number is equal to **B**'s row number.

**Example:**

**Input:**

**A** = [

[ 1, 0, 0],

[-1, 0, 3]

]

**B** = [

[ 7, 0, 0 ],

[ 0, 0, 0 ],

[ 0, 0, 1 ]

]

**Output:**

| 1 0 0 | | 7 0 0 | | 7 0 0 |

**AB** = | -1 0 3 | x | 0 0 0 | = | -7 0 3 |

| 0 0 1 |

**Constraints:**

* 1 <= A.length, B.length <= 100
* 1 <= A[i].length, B[i].length <= 100
* -100 <= A[i][j], B[i][j] <= 100