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311. Sparse Matrix Multiplication

Medium

404

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Given two sparse matrices **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 |
```

Accepted 87,712

Submissions 145,273

Seen this question in a real interview before?

Contributor

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