**Starry Night**

Zilzil is a computer science student, but he has interest in astronomy. He likes to go mountain hiking and see the stars in the night sky. As there’s a pandemic, Zilzil is not allowed to go outside, and so he couldn’t go hiking at the moment. He misses the stars a lot, so as his best friend, you are going to help him create a program to recreate a view of a night sky according to the coordinates that Zilzil wants.

**Format Input**

The input will be read from a file named “Cin.txt”, the first line of the file will be an integer M that represents the size of the view that Zilzil wants and an integer N representing the number of stars. Each N line consists of the Xᵢ and Yᵢ coordinate of the star respectively. (if you haven’t gotten the Cin.txt file, please ask it to your assistant!)

**Format Output**

The output should be written into a file named “Cout.txt”. The output should be an MxM map that represents the view of the night sky. The outer border of the view should be represented with ‘#’, the sky itself should be represented with ‘ ‘, and the stars should be represented as ‘\*’. (See sample output for better understanding).

**Constraints**

* 1 ≤ M ≤ 100
* 1 ≤ N ≤ 100
* 1 ≤ Xᵢ, Yᵢ ≤ M-2
* Each pair of coordinates (Xᵢ, Yᵢ) will be different with other coordinates.

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| Sample Input 1 |
| 10 5  1 7  2 3  5 5  6 6  2 8 |

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| Sample Output 1 |
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