Given a rectangular matrix of characters, add a border of asterisks(\*) to it.

**Example**

For

picture = ["abc",

"ded"]

the output should be

addBorder(picture) = ["\*\*\*\*\*",

"\*abc\*",

"\*ded\*",

"\*\*\*\*\*"]

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] array.string picture**

A non-empty array of non-empty equal-length strings.

*Constraints:*  
1 ≤ picture.length ≤ 5,  
1 ≤ picture[i].length ≤ 5.

* **[output] array.string**

The same matrix of characters, framed with a border of asterisks of width 1.

<https://codefights.com/arcade/code-arcade/well-of-integration/ZCD7NQnED724bJtjN>

static string[] addBorder(string[] picture)

{

int f = picture.Length, c = picture[0].Length;

char[,] asteriscos = new char[f + 2, c + 2];

for (int i = 0; i < asteriscos.GetLength(0); i++)

{

for (int j = 0; j < asteriscos.GetLength(1); j++)

{

if (i == 0 || j == 0 || i == asteriscos.GetLength(0) - 1 || j == asteriscos.GetLength(1) - 1)

{

asteriscos[i, j] = '\*';

}

else

{

asteriscos[i, j] = picture[i-1][j-1];

}

}

}

string[] res = new string[f+2];

int index = 0;

for (int i = 0; i < asteriscos.GetLength(0); i++)

{

for (int j = 0; j < asteriscos.GetLength(1); j++)

{

res[index] += asteriscos[i, j];

}

index++;

}

return res;

}