

DETAILS

CHALLENGE DESCRIPTION:

There are two details on a M*N checkered field. The detail X covers several (at least one first cell) cells in each line. The detail Y covers several (at least one last cell) cells. Each cell is either fully covered with a detail or not.

For example:

X	X	.	Y	Y
X	X	X	.	Y
X	.	.	Y	Y
X	X	.	.	Y

Also, the details may have cavities (or other complex structures). Please see example below (the detail Y is one detail):

X	X	X	.	Y	Y	Y	Y
X	.	.	.	Y	.	.	Y
X	X	.	.	Y	Y	Y	Y
X	.	.	.	.	.	Y	Y
X	X	.	.	.	.	Y	Y

The detail Y starts moving left (without any turn) until it bumps into the X detail at least with one cell. Determine by how many cells the detail Y will be moved.

INPUT SAMPLE:

The first argument is a file with different test cases. Each test case contains a matrix the lines of which are separated by comma. (Empty cells are marked as ".")

For example:

```
XX.YY,XXX.Y,X..YY,XX..Y
XXX.YYYY,X...Y..Y,XX..YYYY,X.....YY,XX....YY
XX...YY,X....YY,XX..YYY,X..YYYY
XXYY,X..Y,XX.Y
```

OUTPUT SAMPLE:

Print out the number of cells the detail Y will be moved.

For example:

```
1
1
2
0
```

CONSTRAINTS:

- 1. The matrices can be of different M*N sizes. (2 <= M <= 10, 2 <= N <= 10)
- 2. Number of test cases is 40.