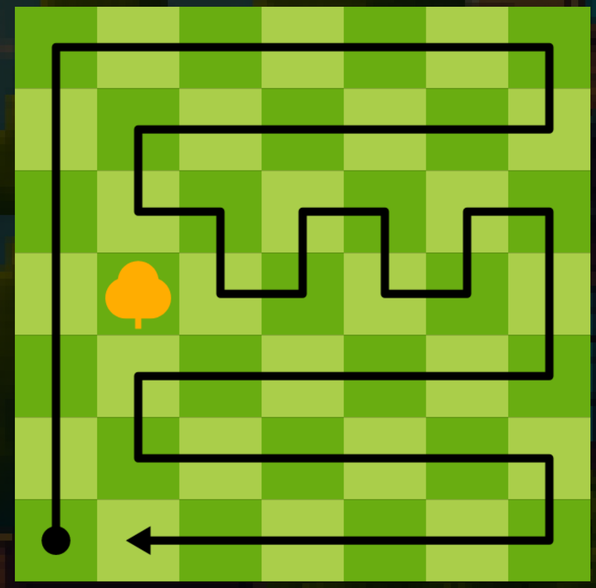

LEVEL 4

Now it’s your turn to calculate paths.

- You are given a list of lawns. Each lawn has one tree on it.
  In this level, the tree is never on the edge of the lawn.
- **For each lawn, find a valid path.**
  You can check the previous level for the definition of a valid path.
- You can choose the start and end cell.
- Every given lawn is solvable.
  There are multiple correct solutions.



→ **Hint:** You can use your code from the previous level to validate your solution.

→ **Hint:** There is a visualizer.html in the input folder. You can use it to visualize lawn mower paths.

Input

Name	Description	Example
N	Number of lawns	3 7 6 .... .X.... ..... 7 7 .... .X.... .... 6 6 ....X. ....
Repeated N times		
Lawn size	The width and height of the lawn **No lawn will be smaller than 4 × 4**	
Lawn	A paragraph of characters	

Output

Name	Description	Example
Path **(repeated N times)**	**A string of characters**	SSSSSDDWDSDWDSDWWAAAAAWDDDDDWAAAAAWDDDDD WWWWWWDDDDDDSAAAAASDSDWDSDWDSSAAAAASDDDDDSAAAAA SDWDSDWDDSSAAAAASDDDDDSAAAAASDDDDD

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Lawn Mower