

Problem: The Robot Walk

Difficulty: Easy

Concept: Basic Recursion (Grid)

1. Problem Description

Given an $R \times C$ grid, you start at the top-left cell $(0, 0)$. You want to reach the bottom-right cell $(R-1, C-1)$.

Rules:

1. You can only move **Right** ($c + 1$) or **Down** ($r + 1$).
2. You cannot walk on obstacles marked `'X'`.
3. Empty spaces are marked `'..'`.

Return "YES" if a path exists, and "NO" otherwise.

2. Input Format (for C++ `cin`)

1. **First Line:** Two integers `R` and `C`.
2. **Next `R` Lines:** The grid characters.

Output: Print "YES" or "NO".

3. Test Cases

Test Case 1: The Clear Path

A simple path exists along the edges or middle.

Input:

```
3 3
. . .
. X .
. . .
```

Output:

```
YES
```

Test Case 2: The Blockade

The robot is blocked by 'X's and cannot move Right or Down to the target.

Input:

```
3 3
. X .
. X .
. X .
```

Output:

```
NO
```

Test Case 3: The Narrow Corridor

Only one specific path works.

Input:

```
3 3
. . X
X . X
X . .
```

Output:

```
YES
```

Test Case 4: Tiny Grid

1x1 grid. Start is also the End.

Input:

```
1 1
.
```

Output:

```
YES
```