Can Go?

Problem Submissions Leaderboard Discussions

Problem Statement

You are given an $N \times M$ sized 2D matrix that represents a map of a building. Each cell represents a wall, a floor or a room. You will be given two rooms A and B. You need to tell if you can go from room A to B by passing through the floors. You can walk **left**, **right**, **up**, and **down** through the floor cells. You can't pass through walls.

Input Format

- The first input line has two integers N and M: the height and width of the map.
- Then there are N lines of M characters describing the map. Each character is .(floor), #(wall), A or B (rooms).

Constraints

1. $1 \leq N, M \leq 1000$

Output Format

- Output **YES** if you can go from room A to B, **NO** otherwise.

Sample Input 0

```
5 8
########
#.A#...#
#.##.#B#
#......#
########
```

Sample Output 0

```
YES
```

```cpp
#include <bits/stdc++.h>

using namespace std;



int main()
{
    // Write your code here

    return 0;
}

```

Line: 1 Col: 1

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