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# Same Component

Problem Submissions Leaderboard Discussions

### **Problem Statement**

You will be given a 2D matrix of size **NxM** which will contain only dot(.) and minus(-) where dot(.) means you can go in that cell and minus(.) means you can't.

You can move in only 4 directions (Up, Down, Left and Right).

You will be given the indexes of to cells - **S(si,sj)** and **D(di,dj)**. You need to tell if these cells are in the same component or not where you can go from **S** to **D**.

#### **Input Format**

- First line will contain N and M.
- Next you will be given the 2D matrix.
- Next line will contain si and sj.
- Last line will contain di and dj.

#### Constraints

- 1. 1 <= **N, M** <= 1000
- 2. 0 <= **si, di** < N
- 3. 0 <= **sj, dj** < M

### **Output Format**

• Output "YES" if those cell are in the same component, "NO" otherwise.

## Sample Input 0

- 5 4
- ..-.
- ---.
- -- .
- 0 1
- 3 2

## Sample Output 0

NO

## Sample Input 1

```
5 4
   ---.
   ..-.
  0 1
  3 2
Sample Output 1
  YES
                                                                                                            f ⊌ in
                                                                                                           Submissions: 169
                                                                                                           Max Score: 20
                                                                                                           Difficulty: Easy
                                                                                                           Rate This Challenge:
                                                                                                           \triangle \triangle \triangle \triangle \triangle \triangle
                                                                                                           More
                                                                                             C++20
                                                                                                                                   *
    1 ▼#include <bits/stdc++.h>
    2
    3
        using namespace std;
    4
    5
    6
    7
       int main()
    8 ▼{
             // Write your code here
    9
   10
             return 0;
   11
   12 }
   13
                                                                                                                          Line: 1 Col: 1
```

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<u>♣ Upload Code as File</u> Test against custom input

Run Code

Submit Code