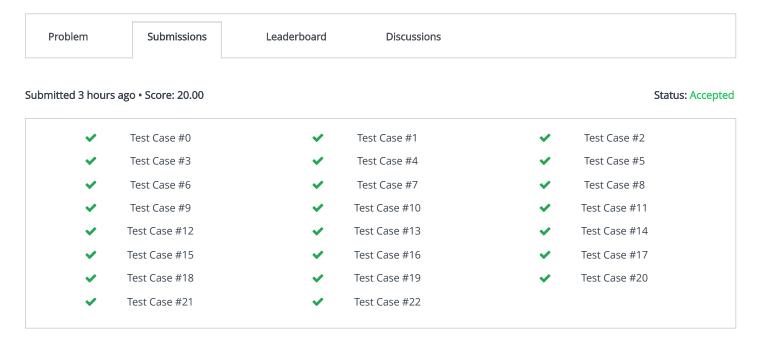
Q Search

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## Same Component



## **Submitted Code**

```
Language: C++20
                                                                                                P Open in editor
2 #include<bits/stdc++.h>
3 using namespace std;
5 int n, m;
6 int s1,s2,d1,d2;
8 const int N = 1e3+7;
9 char ar[N][N];
10 bool visited[N][N];
11
12 vector<pair<int,int>> path ={{-1,0},{1,0},{0,-1},{0,1}};
13
14 bool isValid(int ci, int cj)
15 {
       if(ci >=0 and ci<n and cj >=0 and cj<m and ar[ci][cj] =='.')</pre>
16
17
           return true;
18
19
      else
20
           return false;
21 }
23 void dfs(int si, int sj)
24 {
       visited[si][sj] = true;
```

```
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26
        // comp.push_back({si,sj});
27
28
29
        // for(int i=0; i<path.size(); i++)</pre>
30
        for(auto var : path)
31
32
            int ci = si + var.first;
33
            int cj = sj + var.second;
34
35
            if(isValid(ci,cj) and !visited[ci][cj])
36
                 dfs(ci,cj);
37
            }
38
39
40
       }
41 }
42
43
44 int main()
45 {
46
47
      cin>> n >> m;
48
      for(int i =0; i<n; i++)
49
            for(int j = 0; j<m; j++)</pre>
50
51
52
                 cin >> ar[i][j];
53
            }
54
      }
55
56
57
       cin >> s1 >> s2;
58
       cin >> d1 >> d2;
59
60
61
       dfs(s1,s2);
62
        // cout<<visited[d1][d2]<<endl;</pre>
63
       if(visited[d1][d2]) cout<<"YES"<<endl;</pre>
64
       else cout<<"NO"<<endl;</pre>
65
66
67
68
69
70
        return 0;
71 }
72
```

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