

Summary

Problem	Accepted	Tried	First Solved
A. Bridges in Liyue	22	92	10.00 s
B. Prophecy of Fontaine	16	107	6.22 min
C. Puzzle in Inazuma	10	177	15.24 h
D. Card Game in Mondstant	15	72	37.42 min
E. Mountains in Sumeru	11	47	21.53 h

A. Bridges in Liyue

Submission Summary:

- Accepted: 22
- Tried: 92

Submission 139331269

User	Time	Problem	Language	Verdict
guanxi	2023/12/12 18:06:34	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4 class Graph {
5 private:
6     int V; // 图的顶点数
7     vector<vector<int>> adj; // 邻接矩阵
8     vector<int> Degree;
9
10 public:
11     Graph(int v, int e) {
12         V = v;
13         adj.resize(V, vector<int>(V, 0)); // 初始化邻接矩阵
14         for (int i = 0; i < e; i++) {
15             int a, b;
16             cin >> a >> b;
17             a -= 1;
18             b -= 1;
19             adj[a][b] = 1;
20             adj[b][a] = 1;
21         }
22         Degree = vector<int>(v, 0);
23         for (int i = 0; i < v; i++) {
24             Degree[i] = degree(i);
25         }
26     }
27     // 深度优先搜索
28     void dfs(int v, vector<bool>& visited, int& count) {
29         visited[v] = true;
30         count++;
31         for (int i = 0; i < V; i++) {
32             if (adj[v][i] && !visited[i]) {
33                 dfs(i, visited, count);
34             }
35         }
36     }
37     bool isConnected() {
38         vector<bool> visited(V, false);
39         int count = 0;
40         dfs(0, visited, count);
41         return count == V;
42     }
43     // 计算顶点的度数
44     int degree(int v) {
45         int degree = 0;
```

```

46         for (int i = 0; i < V; i++) {
47             if (adj[v][i]) {
48                 degree++;
49             }
50         }
51     return degree;
52 }
53 bool isSemiEulerian() {
54     if (!isConnected()) {
55         return false;
56     }
57     if (Degree[0] % 2 == 0) {
58         for (int i = 1; i < V; i++) {
59             if (Degree[i] % 2 != 0) {
60                 return false;
61             }
62         }
63     }
64     return true;
65 }
66 else {
67     int oddDegreeCount = 0;
68     for (int i = 1; i < V; i++) {
69         if (degree(i) % 2 != 0) {
70             oddDegreeCount++;
71         }
72     }
73     return oddDegreeCount == 1;
74 }
75 }
76 };
77 int main() {
78     int n, m;
79     cin >> n >> m;
80     Graph G(n, m);
81     if (G.isSemiEulerian()) cout << "YES";
82     else cout << "NO";
83 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO

- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES

- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 139263532

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:28:43	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4
5 using namespace std;
6
7 unordered_map<int, vector<int>> graph;
8 vector<bool> visited;
9
10 void DFS(int node) {
11     visited[node] = true;
12     for (int neighbor : graph[node]) {
13         if (!visited[neighbor]) {
14             DFS(neighbor);
15         }
16     }
17 }
18
19 bool hasEulerPath(int numPeaks, int anchorPeak) {
20     visited.assign(numPeaks + 1, false);
21     DFS(anchorPeak);
22
23     // 检查连通性
24     for (int i = 1; i <= numPeaks; ++i) {
25         if (!visited[i]) {
26             return false;
27         }
28     }
29
30     // 检查节点度数
31     int oddDegreeCount = 0;
32     for (auto it = graph.begin(); it != graph.end(); ++it) {
33         if (it->second.size() % 2 != 0) {
34             oddDegreeCount++;
35         }
36     }
37
38     // 起始和结束节点可以是奇数度数，其他节点必须是偶数度数
39     return oddDegreeCount == 0 || oddDegreeCount == 2;
40 }
41
42 int main() {
43     int numPeaks, numBridges;
44     cin >> numPeaks >> numBridges;
45 }
```

```

46     int anchorPeak = 1; // 带有传送锚点的山峰
47
48     for (int i = 0; i < numBridges; ++i) {
49         int peak1, peak2;
50         cin >> peak1 >> peak2;
51         graph[peak1].push_back(peak2);
52         graph[peak2].push_back(peak1);
53     }
54
55     bool hasPath = hasEulerPath(numPeaks, anchorPeak);
56
57     if (hasPath) {
58         cout << "YES" << endl;
59     } else {
60         cout << "NO" << endl;
61     }
62
63     return 0;
64 }
65

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Accepted](#) : ok answer is YES
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Accepted](#) : ok answer is YES
 - Test 18 - [Accepted](#) : ok answer is NO
 - Test 19 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 20 - [Wrong Answer](#) : wrong answer expected NO, found YES

- Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 22 - **Accepted** : ok answer is YES
- Test 23 - **Accepted** : ok answer is YES
- Test 24 - **Accepted** : ok answer is YES
- Test 25 - **Accepted** : ok answer is YES
- Test 26 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 27 - **Accepted** : ok answer is YES
- Test 28 - **Accepted** : ok answer is YES
- Test 29 - **Accepted** : ok answer is YES
- Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 33 - **Accepted** : ok answer is YES
- Test 34 - **Accepted** : ok answer is YES
- Test 35 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 36 - **Accepted** : ok answer is YES
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Accepted** : ok answer is YES
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Accepted** : ok answer is YES
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Accepted** : ok answer is YES

Submission 139263413

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:27:56	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4
5 using namespace std;
6
7 unordered_map<int, vector<int>> graph;
8 vector<bool> visited;
9
10 void DFS(int node) {
11     visited[node] = true;
12     for (int neighbor : graph[node]) {
13         if (!visited[neighbor]) {
14             DFS(neighbor);
15         }
16     }
17 }
18
19 bool hasEulerPath(int numPeaks, int anchorPeak) {
20     visited.assign(numPeaks + 1, false);
21     DFS(anchorPeak);
22
23     for (int i = 1; i <= numPeaks; ++i) {
24         if (!visited[i]) {
25             return false;
26         }
27     }
28
29     int oddDegreeCount = 0;
30     for (auto it = graph.begin(); it != graph.end(); ++it) {
31         if (it->second.size() % 2 != 0) {
32             oddDegreeCount++;
33         }
34     }
35
36     return oddDegreeCount == 0 || oddDegreeCount == 2;
37 }
38
39 int main() {
40     int numPeaks, numBridges;
41     cin >> numPeaks >> numBridges;
42
43     int anchorPeak = 1; // The peak with the teleport waypoint
44
45     for (int i = 0; i < numBridges; ++i) {
```

```

46     int peak1, peak2;
47     cin >> peak1 >> peak2;
48     graph[peak1].push_back(peak2);
49     graph[peak2].push_back(peak1);
50 }
51
52 bool hasPath = hasEulerPath(numPeaks, anchorPeak);
53
54 if (hasPath) {
55     cout << "YES" << endl;
56 } else {
57     cout << "NO" << endl;
58 }
59
60 return 0;
61 }
62

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Accepted](#) : ok answer is YES
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Accepted](#) : ok answer is YES
 - Test 18 - [Accepted](#) : ok answer is NO
 - Test 19 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 20 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 21 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 22 - [Accepted](#) : ok answer is YES

- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 139262406

User	Time	Problem	Language	Verdict
DL653781	2023/12/11 22:20:52	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4
5 using namespace std;
6
7 unordered_map<int, vector<int>> graph;
8 vector<bool> visited;
9 vector<int> degree;
10
11 void DFS(int node) {
12     visited[node] = true;
13     for (int neighbor : graph[node]) {
14         if (!visited[neighbor]) {
15             DFS(neighbor);
16         }
17     }
18 }
19
20 bool hasEulerPath(int node) {
21     DFS(node);
22
23     for (auto it = graph.begin(); it != graph.end(); ++it) {
24         if (!visited[it->first]) {
25             return false;
26         }
27     }
28
29     int oddDegreeCount = 0;
30     for (int i = 1; i <= degree.size(); ++i) {
31         if (degree[i] % 2 != 0) {
32             oddDegreeCount++;
33         }
34     }
35
36     // 起始和结束节点可以是奇数度数，其他节点必须是偶数度数
37     return oddDegreeCount == 0 || oddDegreeCount == 2;
38 }
39
40 int main() {
41     int numPeaks, numBridges;
42     cin >> numPeaks >> numBridges;
43
44     int anchorPeak;
45     cin >> anchorPeak;
```

```

46     degree.assign(numPeaks + 1, 0);
47
48     for (int i = 0; i < numBridges; ++i) {
49         int peak1, peak2;
50         cin >> peak1 >> peak2;
51         graph[peak1].push_back(peak2);
52         graph[peak2].push_back(peak1);
53         degree[peak1]++;
54         degree[peak2]++;
55     }
56
57     visited.assign(numPeaks + 1, false);
58
59     bool hasPath = hasEulerPath(anchorPeak);
60
61     if (hasPath) {
62         cout << "YES" << endl;
63     } else {
64         cout << "NO" << endl;
65     }
66
67     return 0;
68 }
69
70

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 10 - [Accepted](#) : ok answer is YES
 - Test 11 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 12 - [Accepted](#) : ok answer is NO
 - Test 13 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Accepted](#) : ok answer is YES

- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Wrong Answer : wrong answer expected YES, found NO
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Wrong Answer : wrong answer expected YES, found NO

Submission 139262375

User	Time	Problem	Language	Verdict
DL653781	2023/12/11 22:20:39	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4
5 using namespace std;
6
7 unordered_map<int, vector<int>> graph;
8 vector<bool> visited;
9
10 void DFS(int node) {
11     visited[node] = true;
12     for (int neighbor : graph[node]) {
13         if (!visited[neighbor]) {
14             DFS(neighbor);
15         }
16     }
17 }
18
19 bool hasEulerPath(int node) {
20     DFS(node);
21
22     for (auto it = graph.begin(); it != graph.end(); ++it) {
23         if (!visited[it->first]) {
24             return false;
25         }
26     }
27
28     return true;
29 }
30
31 int main() {
32     int numPeaks, numBridges;
33     cin >> numPeaks >> numBridges;
34
35     int anchorPeak;
36     cin >> anchorPeak;
37
38     for (int i = 0; i < numBridges; ++i) {
39         int peak1, peak2;
40         cin >> peak1 >> peak2;
41         graph[peak1].push_back(peak2);
42         graph[peak2].push_back(peak1);
43     }
44
45     visited.assign(numPeaks + 1, false);
```

```

46     bool hasPath = hasEulerPath(anchorPeak);
47
48     if (hasPath) {
49         cout << "YES" << endl;
50     } else {
51         cout << "NO" << endl;
52     }
53
54     return 0;
55 }
56
57

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 2 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 3 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 7 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 8 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Accepted](#) : ok answer is YES
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 15 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 16 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 17 - [Accepted](#) : ok answer is YES
 - Test 18 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 19 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 20 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 21 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 22 - [Accepted](#) : ok answer is YES
 - Test 23 - [Accepted](#) : ok answer is YES
 - Test 24 - [Accepted](#) : ok answer is YES
 - Test 25 - [Accepted](#) : ok answer is YES
 - Test 26 - [Wrong Answer](#) : wrong answer expected NO, found YES

- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Wrong Answer : wrong answer expected NO, found YES
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Wrong Answer : wrong answer expected YES, found NO

Submission 139262025

User	Time	Problem	Language	Verdict
DL653781	2023/12/11 22:18:10	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4
5 using namespace std;
6
7 unordered_map<int, vector<int>> graph;
8 vector<bool> visited;
9
10 void DFS(int node) {
11     visited[node] = true;
12     for (int neighbor : graph[node]) {
13         if (!visited[neighbor]) {
14             DFS(neighbor);
15         }
16     }
17 }
18
19 bool hasEulerPath(int node) {
20     DFS(node);
21
22     for (auto it = graph.begin(); it != graph.end(); ++it) {
23         if (!visited[it->first]) {
24             return false;
25         }
26     }
27
28     return true;
29 }
30
31 int main() {
32     int numPeaks, numBridges;
33     cin >> numPeaks >> numBridges;
34
35     int anchorPeak;
36     cin >> anchorPeak;
37
38     for (int i = 0; i < numBridges; ++i) {
39         int peak1, peak2;
40         cin >> peak1 >> peak2;
41         graph[peak1].push_back(peak2);
42         graph[peak2].push_back(peak1);
43     }
44
45     visited.assign(numPeaks + 1, false);
```

```
46     bool hasPath = hasEulerPath(anchorPeak);
47
48     if (hasPath) {
49         cout << "YES" << endl;
50     } else {
51         cout << "NO" << endl;
52     }
53
54     return 0;
55 }
56
57 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 2 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 3 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 7 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 8 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Accepted](#) : ok answer is YES
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 15 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 16 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 17 - [Accepted](#) : ok answer is YES
 - Test 18 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 19 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 20 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 21 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 22 - [Accepted](#) : ok answer is YES
 - Test 23 - [Accepted](#) : ok answer is YES
 - Test 24 - [Accepted](#) : ok answer is YES
 - Test 25 - [Accepted](#) : ok answer is YES
 - Test 26 - [Wrong Answer](#) : wrong answer expected NO, found YES

- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Wrong Answer : wrong answer expected NO, found YES
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Wrong Answer : wrong answer expected YES, found NO

Submission 139261198

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:12:36	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4
5 using namespace std;
6
7 // 使用邻接表表示图
8 unordered_map<int, vector<int>> graph;
9 vector<bool> visited;
10
11 // DFS函数，用于检查欧拉路径是否存在
12 void DFS(int node) {
13     visited[node] = true;
14
15     // 遍历当前节点的邻居
16     for (int neighbor : graph[node]) {
17         if (!visited[neighbor]) {
18             DFS(neighbor);
19         }
20     }
21 }
22
23 bool hasEulerPath(int node) {
24     // 开始DFS
25     DFS(node);
26
27     // 检查所有节点是否都被访问到
28     for (auto it = graph.begin(); it != graph.end(); ++it) {
29         if (!visited[it->first]) {
30             return false;
31         }
32     }
33
34     return true;
35 }
36
37 int main() {
38     int numPeaks, numBridges;
39     cin >> numPeaks >> numBridges;
40
41     // 标记含有传送锚点的山峰
42     int anchorPeak;
43     cin >> anchorPeak;
44
45     // 构建邻接表表示的图
```

```

46     for (int i = 0; i < numBridges; ++i) {
47         int peak1, peak2;
48         cin >> peak1 >> peak2;
49         graph[peak1].push_back(peak2);
50         graph[peak2].push_back(peak1);
51     }
52
53     // 初始化访问标记
54     visited.assign(numPeaks + 1, false);
55
56     // 检查欧拉路径是否存在，从传送锚点开始
57     bool hasPath = hasEulerPath(anchorPeak);
58
59     // 输出结果
60     if (hasPath) {
61         cout << "YES" << endl;
62     } else {
63         cout << "NO" << endl;
64     }
65
66     return 0;
67 }
68

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 2 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 3 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 7 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 8 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Accepted](#) : ok answer is YES
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 15 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 16 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 17 - [Accepted](#) : ok answer is YES
 - Test 18 - [Wrong Answer](#) : wrong answer expected NO, found YES

- Test 19 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 20 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 22 - **Accepted** : ok answer is YES
- Test 23 - **Accepted** : ok answer is YES
- Test 24 - **Accepted** : ok answer is YES
- Test 25 - **Accepted** : ok answer is YES
- Test 26 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 27 - **Accepted** : ok answer is YES
- Test 28 - **Accepted** : ok answer is YES
- Test 29 - **Accepted** : ok answer is YES
- Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 33 - **Accepted** : ok answer is YES
- Test 34 - **Accepted** : ok answer is YES
- Test 35 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 36 - **Accepted** : ok answer is YES
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Accepted** : ok answer is YES
- Test 45 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 46 - **Accepted** : ok answer is YES
- Test 47 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 48 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 139215745

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 18:23:29	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3
4 bool isconnected(vector<vector<int>>graph) {
5     vector<bool>visited(graph.size(), 0);
6     queue<int> q;
7     q.push(1);
8     visited[1] = true;
9     while (!q.empty()) {
10         int cur = q.front();
11         q.pop();
12         for (auto it = ++graph[cur].begin(); it != graph[cur].end(); ++it) {
13             if (!visited[*it]) {
14                 q.push(*it);
15                 visited[*it] = true;
16             }
17         }
18     }
19     for (int i = 1; i < graph.size(); i++)
20         if (!visited[i])
21             return false;
22     return true;
23 }
24 void Eular(vector<vector<int>>graph) {
25     if (!isconnected(graph)) {
26         cout << "NO";
27         return;
28     }
29     int sum = 0;
30     for (int i = 2; i < graph.size(); i++) {
31         if (graph[i][0] % 2)
32             sum++;
33         if (sum > 1) {
34             cout << "NO";
35             return;
36         }
37     }
38     cout << "YES";
39 }
40 int main() {
41     int n, m;
42     cin >> n >> m;
43     vector<vector<int>>graph(n + 1, vector<int>(1, 0));
44     for (int t = 0; t < m; t++) {
45         int a, b;
```

```
46     cin >> a >> b;
47     graph[a][0]++;
48     graph[b][0]++;
49     graph[a].push_back(b); graph[b].push_back(a);
50 }
51 Eular(graph);
52 return 0;
53 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES

- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 139116979

User	Time	Problem	Language	Verdict
Preacher_26	2023/12/10 18:49:29	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include <vector>
2 #include <iostream>
3 using namespace std;
4
5 int main()
6 {
7     int m ,n;
8     cin>>n>>m;
9     vector<int> d(n, 0);
10    for (int i = 0; i < m; i++)
11    {
12        int f,t;
13        cin>>f>>t;
14        d[f - 1]++; d[t - 1]++;
15    }
16    int cnt = 0;
17    for (int& x:d)
18    {
19        if (x % 2)
20            cnt++;
21    }
22    if ((d[0] % 2 == 1 && cnt == 2) || cnt == 0)
23        cout<<"YES"<<endl;
24    else
25        cout<<"NO"<<endl;
26
27    return 0;
28 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO

- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES

- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 139116732

User	Time	Problem	Language	Verdict
Preacher_26	2023/12/10 18:47:34	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <vector>
2 #include <iostream>
3 using namespace std;
4
5 int main()
6 {
7     int m ,n;
8     cin>>n>>m;
9     vector<int> d(n, 0);
10    for (int i = 0; i < m; i++)
11    {
12        int f,t;
13        cin>>f>>t;
14        d[f - 1]++; d[t - 1]++;
15    }
16    int cnt = 0;
17    for (int& x:d)
18    {
19        if (x % 2)
20            cnt++;
21    }
22    if ((d[0] % 2 == 1) && (cnt == 0 || cnt == 2))
23        cout<<"YES"<<endl;
24    else
25        cout<<"NO"<<endl;
26
27    return 0;
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO

- Test 9 - Accepted : ok answer is YES
- Test 10 - Wrong Answer : wrong answer expected YES, found NO
- Test 11 - Wrong Answer : wrong answer expected YES, found NO
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Wrong Answer : wrong answer expected YES, found NO
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Wrong Answer : wrong answer expected YES, found NO
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Accepted : ok answer is NO
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO
- Test 45 - Accepted : ok answer is NO
- Test 46 - Wrong Answer : wrong answer expected YES, found NO

- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Wrong Answer : wrong answer expected YES, found NO

Submission 139112519

User	Time	Problem	Language	Verdict
Preacher_26	2023/12/10 18:17:02	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <vector>
2 #include <queue>
3 #include <unordered_set>
4 #include <iostream>
5 using namespace std;
6
7 int main()
8 {
9     int m ,n;
10    cin>>n>>m;
11    vector<int> d(n + 1, 0);
12    for (int i = 0; i < m; i++)
13    {
14        int f,t;
15        cin>>f>>t;
16        d[f]++;d[t]++;
17    }
18    int cnt = 0;
19    for (int& x:d)
20    {
21        if (x % 2)
22            cnt++;
23    }
24    if ((d[1] % 2 == 1) && (cnt == 0 || cnt == 2))
25        cout<<"YES"<<endl;
26    else
27        cout<<"NO"<<endl;
28
29    return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Wrong Answer : wrong answer expected YES, found NO
- Test 11 - Wrong Answer : wrong answer expected YES, found NO
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Wrong Answer : wrong answer expected YES, found NO
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Wrong Answer : wrong answer expected YES, found NO
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Accepted : ok answer is NO
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO

- Test 45 - Accepted : ok answer is NO
- Test 46 - Wrong Answer : wrong answer expected YES, found NO
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Wrong Answer : wrong answer expected YES, found NO

Submission 138856224

User	Time	Problem	Language	Verdict
ysyNB	2023/12/9 14:37:02	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int a[100000]={0};
4 int cnt=0;
5 int main()
6 {
7     int n,m;
8     cin>>n>>m;
9     for(int i=1;i<=m;i++)
10    {
11        int q,d;
12        cin>>q>>d;
13        a[q]++;
14        a[d]++;
15    }
16    for(int i=1;i<=n;i++)
17    {
18        if(a[i]%2==0) continue;
19        else cnt++;
20    }
21    if(cnt==2||cnt==0) cout<<"YES";
22    else cout<<"NO";
23 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES

- Test 12 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 13 - **Accepted** : ok answer is YES
- Test 14 - **Accepted** : ok answer is NO
- Test 15 - **Accepted** : ok answer is NO
- Test 16 - **Accepted** : ok answer is NO
- Test 17 - **Accepted** : ok answer is YES
- Test 18 - **Accepted** : ok answer is NO
- Test 19 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 20 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 22 - **Accepted** : ok answer is YES
- Test 23 - **Accepted** : ok answer is YES
- Test 24 - **Accepted** : ok answer is YES
- Test 25 - **Accepted** : ok answer is YES
- Test 26 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 27 - **Accepted** : ok answer is YES
- Test 28 - **Accepted** : ok answer is YES
- Test 29 - **Accepted** : ok answer is YES
- Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 33 - **Accepted** : ok answer is YES
- Test 34 - **Accepted** : ok answer is YES
- Test 35 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 36 - **Accepted** : ok answer is YES
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Accepted** : ok answer is YES
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Accepted** : ok answer is YES
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Accepted** : ok answer is YES

Submission 138856085

User	Time	Problem	Language	Verdict
ysyNB	2023/12/9 14:36:39	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int a[1000000]={0};
4 int cnt=0;
5 int main()
6 {
7     int n,m;
8     cin>>n>>m;
9     for(int i=1;i<=m;i++)
10    {
11        int q,d;
12        cin>>q>>d;
13        a[q]++;
14        a[d]++;
15    }
16    for(int i=1;i<=n;i++)
17    {
18        if(a[i]%2==0) continue;
19        else cnt++;
20    }
21    if(cnt==2) cout<<"YES";
22    else cout<<"NO";
23 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Wrong Answer : wrong answer expected YES, found NO
 - Test 11 - Wrong Answer : wrong answer expected YES, found NO

- Test 12 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 13 - **Accepted** : ok answer is YES
- Test 14 - **Accepted** : ok answer is NO
- Test 15 - **Accepted** : ok answer is NO
- Test 16 - **Accepted** : ok answer is NO
- Test 17 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 18 - **Accepted** : ok answer is NO
- Test 19 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 20 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 22 - **Accepted** : ok answer is YES
- Test 23 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 24 - **Accepted** : ok answer is YES
- Test 25 - **Accepted** : ok answer is YES
- Test 26 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 27 - **Accepted** : ok answer is YES
- Test 28 - **Accepted** : ok answer is YES
- Test 29 - **Accepted** : ok answer is YES
- Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 33 - **Accepted** : ok answer is YES
- Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 35 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 138849197

User	Time	Problem	Language	Verdict
ysyNB	2023/12/9 14:19:57	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int a[100000]={0};
4 int cnt=0;
5 int main()
6 {
7     int n,m;
8     cin>>n>>m;
9     for(int i=1;i<=m;i++)
10    {
11        int q,d;
12        cin>>q>>d;
13        a[q]++;
14        a[d]++;
15    }
16    for(int i=1;i<=n;i++)
17    {
18        if(a[i]%2==0) continue;
19        else cnt++;
20    }
21    if(cnt==1) cout<<"YES";
22    else cout<<"NO";
23 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer expected NO, found YES
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Wrong Answer : wrong answer expected NO, found YES
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Wrong Answer : wrong answer expected NO, found YES
 - Test 7 - Wrong Answer : wrong answer expected NO, found YES
 - Test 8 - Wrong Answer : wrong answer expected NO, found YES
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Wrong Answer : wrong answer expected YES, found NO
 - Test 11 - Wrong Answer : wrong answer expected YES, found NO

- Test 12 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 13 - **Accepted** : ok answer is YES
- Test 14 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 15 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 16 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 17 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 18 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 19 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 20 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 22 - **Accepted** : ok answer is YES
- Test 23 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 24 - **Accepted** : ok answer is YES
- Test 25 - **Accepted** : ok answer is YES
- Test 26 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 27 - **Accepted** : ok answer is YES
- Test 28 - **Accepted** : ok answer is YES
- Test 29 - **Accepted** : ok answer is YES
- Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 33 - **Accepted** : ok answer is YES
- Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 35 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 138848392

User	Time	Problem	Language	Verdict
ysyNB	2023/12/9 14:18:01	Bridges in Liyue	C++14(GCC 9)	Compile Error

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int a[100000]=0;
4 int cnt=0;
5 int main()
6 {
7     int n,m;
8     cin>>n>>m;
9     for(int i=1;i<=m;i++)
10    {
11        int q,d;
12        cin>>q>>d;
13        a[q]++;
14        q[d]++;
15    }
16    for(int i=1;i<=n;i++)
17    {
18        if(a[i]%2==0) continue;
19        else cnt++;
20    }
21    if(cnt==1) cout<<"YES";
22    else cout<<"NO";
23 }
```

Test Detail

- Compile Error

```
1 SPJ compilation failed:
2
3 /tmp/compiler_i8t76p7m/src:3:15: 错误：数组必须为一个由花括号包围的初始值设定所初始化
4 | int a[100000]=0;
5 |          ^
6 /tmp/compiler_i8t76p7m/src: 在函数'int main()'中:
7 /tmp/compiler_i8t76p7m/src:14:9: 错误：'int[int]'用作数组下标类型无效
8 14 |     q[d]++;
9 |          ^
10
```

Submission 138765243

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/8 21:55:42	Bridges in Liyue	Python 3	Accepted

Code

```
1 # 用邻接表表示无向图
2 # 图中的节点从 0 开始编号
3 graph = []
4
5 bridges = []
6 n, m = map(int, input().split(" "))
7 for i in range(n):
8     graph[i + 1] = []
9 for j in range(m):
10    u, v = map(int, input().split(" "))
11    bridges.append((u, v))
12    graph[u].append(v)
13    graph[v].append(u)
14
15
16 def count_odd_degrees(graph):
17     odd_count = 0
18     for node in graph:
19         if len(graph[node]) % 2 != 0:
20             odd_count += 1
21     return odd_count
22
23
24 def has_eulerian_path(graph):
25     odd_degree_nodes = count_odd_degrees(graph)
26     if odd_degree_nodes == 0:
27         return True
28     elif odd_degree_nodes == 2:
29         if len(graph[1]) % 2 == 0:
30             return False
31         else:
32             return True
33     else:
34         return False
35
36
37 if has_eulerian_path(graph):
38     print("YES")
39 else:
40     print("NO")
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO
 - Test 33 - Accepted : ok answer is YES
 - Test 34 - Accepted : ok answer is YES
 - Test 35 - Accepted : ok answer is NO

- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138765047

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/8 21:54:34	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 # 用邻接表表示无向图
2 # 图中的节点从 0 开始编号
3 graph = []
4
5 bridges = []
6 n, m = map(int, input().split(" "))
7 for i in range(n):
8     graph[i + 1] = []
9 for j in range(m):
10    u, v = map(int, input().split(" "))
11    bridges.append((u, v))
12    graph[u].append(v)
13    graph[v].append(u)
14
15 print(graph)
16
17 def count_odd_degrees(graph):
18     odd_count = 0
19     for node in graph:
20         if len(graph[node]) % 2 != 0:
21             odd_count += 1
22     return odd_count
23
24
25 def has_eulerian_path(graph):
26     odd_degree_nodes = count_odd_degrees(graph)
27     if odd_degree_nodes == 0:
28         return True
29     elif odd_degree_nodes == 2:
30         if len(graph[1]) % 2 == 0:
31             return False
32         else:
33             return True
34     else:
35         return False
36
37
38 if has_eulerian_path(graph):
39     print("YES")
40 else:
41     print("NO")
```

Test Detail

- Test 36 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 37 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 38 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 39 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 40 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 41 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 42 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 43 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 44 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 45 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 46 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 47 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 48 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 49 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found

Submission 138764967

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/8 21:54:06	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 # 用邻接表表示无向图
2 # 图中的节点从 0 开始编号
3 graph = []
4
5 bridges = []
6 n, m = map(int, input().split(" "))
7 for i in range(n):
8     graph[i + 1] = []
9 for j in range(m):
10    u, v = map(int, input().split(" "))
11    bridges.append((u, v))
12    graph[u].append(v)
13    graph[v].append(u)
14
15 print(graph)
16
17 def count_odd_degrees(graph):
18     odd_count = 0
19     for node in graph:
20         if len(graph[node]) % 2 != 0:
21             odd_count += 1
22     return odd_count
23
24
25 def has_eulerian_path(graph):
26     odd_degree_nodes = count_odd_degrees(graph)
27     if odd_degree_nodes == 0:
28         return True
29     elif odd_degree_nodes == 2:
30         if len(graph[1]) % 2 == 0:
31             return False
32         else:
33             return True
34     else:
35         return False
36
37
38 if has_eulerian_path(graph):
39     print("这个图包含欧拉路径")
40 else:
41     print("这个图不包含欧拉路径")
```

Test Detail

- Test 36 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 37 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 38 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 39 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 40 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 41 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 42 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 43 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 44 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 45 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 46 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 47 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 48 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found
- Test 49 - [Wrong Answer](#) : wrong output format YES or NO expected, but {1: found

Submission 138762433

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/8 21:40:23	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 # 用邻接表表示无向图
2 # 图中的节点从 0 开始编号
3 graph = []
4
5 bridges = []
6 n, m = map(int, input().split(" "))
7 for i in range(n):
8     graph[i + 1] = []
9 for j in range(m):
10    u, v = map(int, input().split(" "))
11    bridges.append((u, v))
12    graph[u].append(v)
13    graph[v].append(u)
14
15
16 def count_odd_degrees(graph):
17     odd_count = 0
18     for node in graph:
19         if len(graph[node]) % 2 != 0:
20             odd_count += 1
21     return odd_count
22
23
24 def has_eulerian_path(graph):
25     odd_degree_nodes = count_odd_degrees(graph)
26     return odd_degree_nodes == 0 or odd_degree_nodes == 2
27
28
29 if has_eulerian_path(graph):
30     print("Yes")
31 else:
32     print("No")
33
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES

- Test 5 - Accepted : ok answer is YES
- Test 6 - Accepted : ok answer is NO
- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES

- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Accepted** : ok answer is YES
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Accepted** : ok answer is YES
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Accepted** : ok answer is YES

Submission 138760061

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/8 21:27:59	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 import networkx as nx
2
3
4 def is_eulerian_path(graph):
5     if not nx.is_connected(graph):
6         return False # 图不连通, 不可能有欧拉路径
7
8     odd_degree_count = sum(1 for node in graph if graph.degree[node] % 2 != 0)
9     return odd_degree_count == 0 or odd_degree_count == 2
10
11
12 bridges = []
13 n, m = map(int, input().split(" "))
14 for i in range(m):
15     u, v = map(int, input().split(" "))
16     bridges.append((u, v))
17
18 # 创建一个简单的图作为示例
19 G = nx.Graph()
20 G.add_edges_from(bridges)
21
22 # 检查图是否包含欧拉路径
23 if is_eulerian_path(G):
24     print("Yes")
25 else:
26     print("No")
27
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Runtime Error :
 - Test 1 - Runtime Error :
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Runtime Error :
 - Test 5 - Runtime Error :
 - Test 6 - Runtime Error :
 - Test 7 - Runtime Error :
 - Test 8 - Runtime Error :

- Test 9 - [Runtime Error](#) :
- Test 10 - [Runtime Error](#) :
- Test 11 - [Runtime Error](#) :
- Test 12 - [Runtime Error](#) :
- Test 13 - [Runtime Error](#) :
- Test 14 - [Runtime Error](#) :
- Test 15 - [Runtime Error](#) :
- Test 16 - [Runtime Error](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :
- Test 25 - [Runtime Error](#) :
- Test 26 - [Runtime Error](#) :
- Test 27 - [Runtime Error](#) :
- Test 28 - [Runtime Error](#) :
- Test 29 - [Runtime Error](#) :
- Test 30 - [Runtime Error](#) :
- Test 31 - [Runtime Error](#) :
- Test 32 - [Runtime Error](#) :
- Test 33 - [Runtime Error](#) :
- Test 34 - [Runtime Error](#) :
- Test 35 - [Runtime Error](#) :
- Test 36 - [Runtime Error](#) :
- Test 37 - [Runtime Error](#) :
- Test 38 - [Runtime Error](#) :
- Test 39 - [Runtime Error](#) :
- Test 40 - [Runtime Error](#) :
- Test 41 - [Runtime Error](#) :
- Test 42 - [Runtime Error](#) :
- Test 43 - [Runtime Error](#) :
- Test 44 - [Runtime Error](#) :
- Test 45 - [Runtime Error](#) :
- Test 46 - [Runtime Error](#) :

- Test 47 - [Runtime Error](#) :
- Test 48 - [Runtime Error](#) :
- Test 49 - [Runtime Error](#) :

Submission 138540397

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/7 15:11:42	Bridges in Liyue	C++11	Accepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstring>
4 #include <cstdlib>
5 #include <algorithm>
6 #include <cctype>
7
8 using namespace std;
9
10 inline int read() {
11     char ch;
12     while (!isdigit(ch = getchar())) ;
13     int sum = ch - '0';
14     while (isdigit(ch = getchar()))
15         sum = (sum * 10) + ch - '0';
16     return sum;
17 }
18
19 int n, m, d[210];
20
21 int main() {
22     int u, v;
23     n = read(), m = read();
24     for (int i = 0; i < m; i++) {
25         u = read(), v = read();
26
27         d[u]++, d[v]++;
28     }
29
30     int cnt = 0;
31     for (int i = 1; i <= n; i++)
32         if (d[i] & 1)
33             cnt++;
34
35     if (cnt > 2 || (cnt == 2 && (d[1] % 2 == 0))) {
36         printf("NO\n");
37     } else {
38         printf("YES\n");
39     }
40     return 0;
41 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO
 - Test 33 - Accepted : ok answer is YES
 - Test 34 - Accepted : ok answer is YES
 - Test 35 - Accepted : ok answer is NO

- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138530897

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 13:38:15	Bridges in Liyue	Python 3	Accepted

Code

```
1  from collections import defaultdict
2
3  def dfs(node, graph, visited):
4      visited[node] = True
5      for neighbor in graph[node]:
6          if not visited[neighbor]:
7              dfs(neighbor, graph, visited)
8
9  def is_semi_eulerian_path(n, m, start, bridges):
10     graph = defaultdict(list)
11
12     for u, v in bridges:
13         graph[u].append(v)
14         graph[v].append(u)
15
16     # Check if the graph is connected
17     visited = [False] * (n + 1)
18     dfs(start, graph, visited)
19     if not all(visited[1:]):
20         return "NO"
21
22     # Count the number of nodes with odd degree
23     odd_degree_nodes = sum(len(graph[node]) % 2 != 0 for node in range(1, n + 1))
24
25     # Check if there are exactly two nodes with odd degree
26     if (odd_degree_nodes == 2 and start in graph and len(graph[start]) % 2 != 0) or odd_degree_nodes == 0:
27         return "YES"
28     else:
29         return "NO"
30
31
32
33 def main():
34     n, m = map(int, input().split())
35     bridges = [tuple(map(int, input().split())) for _ in range(m)]
36     start = 1
37     result = is_semi_eulerian_path(n, m, start, bridges)
38     print(result)
39
40 if __name__ == "__main__":
41     main()
42
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO
 - Test 33 - Accepted : ok answer is YES
 - Test 34 - Accepted : ok answer is YES
 - Test 35 - Accepted : ok answer is NO

- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138530651

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 13:35:59	Bridges in Liyue	Python 3	Unaccepted

Code

```
1  from collections import defaultdict
2
3  def dfs(node, graph, visited):
4      visited[node] = True
5      for neighbor in graph[node]:
6          if not visited[neighbor]:
7              dfs(neighbor, graph, visited)
8
9  def is_semi_eulerian_path(n, m, start, bridges):
10     graph = defaultdict(list)
11
12     for u, v in bridges:
13         graph[u].append(v)
14         graph[v].append(u)
15
16     # Check if the graph is connected
17     visited = [False] * (n + 1)
18     dfs(start, graph, visited)
19     if not all(visited[1:]):
20         return "NO"
21
22     # Count the number of nodes with odd degree
23     odd_degree_nodes = sum(len(graph[node]) % 2 != 0 for node in range(1, n + 1))
24
25     # Check if there are exactly two nodes with odd degree
26     if (odd_degree_nodes == 2 and start in graph and len(graph[start]) % 2 != 0) or (odd_degree_nodes == 0 and start in graph and len(graph[start]) % 2 != 0):
27         return "YES"
28     else:
29         return "NO"
30
31
32
33 def main():
34     n, m = map(int, input().split())
35     bridges = [tuple(map(int, input().split())) for _ in range(m)]
36     start = 1
37     result = is_semi_eulerian_path(n, m, start, bridges)
38     print(result)
39
40 if __name__ == "__main__":
41     main()
42
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 11 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 12 - [Accepted](#) : ok answer is NO
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 18 - [Accepted](#) : ok answer is NO
 - Test 19 - [Accepted](#) : ok answer is NO
 - Test 20 - [Accepted](#) : ok answer is NO
 - Test 21 - [Accepted](#) : ok answer is NO
 - Test 22 - [Accepted](#) : ok answer is YES
 - Test 23 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 24 - [Accepted](#) : ok answer is YES
 - Test 25 - [Accepted](#) : ok answer is YES
 - Test 26 - [Accepted](#) : ok answer is NO
 - Test 27 - [Accepted](#) : ok answer is YES
 - Test 28 - [Accepted](#) : ok answer is YES
 - Test 29 - [Accepted](#) : ok answer is YES
 - Test 30 - [Accepted](#) : ok answer is NO
 - Test 31 - [Accepted](#) : ok answer is NO
 - Test 32 - [Accepted](#) : ok answer is NO
 - Test 33 - [Accepted](#) : ok answer is YES
 - Test 34 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 35 - [Accepted](#) : ok answer is NO

- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 138519470

User	Time	Problem	Language	Verdict
asdf46	2023/12/7 11:11:17	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int main(){
4     int n,m,a,b,sum=0;
5     bool k[202]={0};
6     cin>>n>>m;
7     m=m*2;
8     while(m--){
9         cin>>a;
10        if(k[a]==0) k[a]=1,sum++;
11        else k[a]=0,sum--;
12    }
13    if(sum==0) cout<<"YES";
14    else if(sum==2&&k[1]==1) cout<<"YES";
15    else cout<<"NO";
16 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO

- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138504098

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 23:44:59	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     int n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(int i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     long long odd =0;
17     for(long long j = 0;j<n;j++){
18         if(count_arr[j]%2 == 0){
19             even++;
20         }
21         // if(count_arr[j]%2 != 0){
22         //     odd++;
23         // }
24     }
25     // if(odd == 0 || odd == 2){
26     //     cout<<"YES";
27     // }
28     if(even == n || (even == n-2 && count_arr[0]%2!=0)){
29         cout<<"YES";
30     }
31     else{cout<<"NO";}
32
33
34
35
36     return 0;
37 }
38 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO
 - Test 33 - Accepted : ok answer is YES
 - Test 34 - Accepted : ok answer is YES
 - Test 35 - Accepted : ok answer is NO

- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138498033

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/6 22:41:39	Bridges in Liyue	Python 3	Unaccepted

Code

```
1  from collections import defaultdict
2
3  def is_semi_eulerian_path(n, m, start, bridges):
4      graph = defaultdict(list)
5
6      for u, v in bridges:
7          graph[u].append(v)
8          graph[v].append(u)
9
10     visited = [False] * (n + 1)
11     dfs(start, graph, visited)
12     if not all(visited[1:]):
13         return "NO"
14
15     odd_degree_nodes = sum(len(graph[node]) % 2 != 0 for node in range(1, n + 1))
16
17     if odd_degree_nodes == 2 or (odd_degree_nodes == 0 and start in graph and len(graph[start]) % 2 != 0):
18         return "YES"
19     else:
20         return "NO"
21
22 def dfs(node, graph, visited):
23     visited[node] = True
24     for neighbor in graph[node]:
25         if not visited[neighbor]:
26             dfs(neighbor, graph, visited)
27
28 def main():
29     n, m = map(int, input().split())
30     bridges = [tuple(map(int, input().split())) for _ in range(m)]
31     start = 1
32     result = is_semi_eulerian_path(n, m, start, bridges)
33     print(result)
34
35 if __name__ == "__main__":
36     main()
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 11 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 12 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 18 - [Accepted](#) : ok answer is NO
 - Test 19 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 20 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 21 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 22 - [Accepted](#) : ok answer is YES
 - Test 23 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 24 - [Accepted](#) : ok answer is YES
 - Test 25 - [Accepted](#) : ok answer is YES
 - Test 26 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 27 - [Accepted](#) : ok answer is YES
 - Test 28 - [Accepted](#) : ok answer is YES
 - Test 29 - [Accepted](#) : ok answer is YES
 - Test 30 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 31 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 32 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 33 - [Accepted](#) : ok answer is YES
 - Test 34 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 35 - [Wrong Answer](#) : wrong answer expected NO, found YES

- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 138492056

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 22:01:30	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <map>
4 #include <algorithm>
5
6 using namespace std;
7
8 bool dfs(vector<vector<int>>& graph, map<pair<int, int>, bool>& visited, int current, int bridges, int visited_bridges) {
9     if (visited_bridges == bridges) {
10         return true;
11     }
12
13     for (int neighbor : graph[current]) {
14         pair<int, int> bridge = make_pair(min(current, neighbor),
15             max(current, neighbor));
16         if (!visited[bridge]) {
17             visited[bridge] = true;
18             if (dfs(graph, visited, neighbor, bridges, visited_bridges + 1))
19             {
20                 return true;
21             }
22         }
23     }
24
25     return false;
26 }
27
28 bool checkPathExists(int num_peaks, int num_bridges, vector<pair<int, int>>& bridges, map<pair<int, int>, bool>& visited) {
29     vector<vector<int>> graph(num_peaks + 1); // 加1确保数组足够大
30
31     for (const auto& bridge : bridges) {
32         graph[bridge.first].push_back(bridge.second);
33         graph[bridge.second].push_back(bridge.first);
34     }
35
36     return dfs(graph, visited, 1, num_bridges, 0); // 从顶点1开始
37 }
38
39 int main() {
40     int num_peaks, num_bridges;
41     cin >> num_peaks >> num_bridges;
```

```

42
43     if (num_peaks < 3 || num_peaks>200 || num_bridges<2 || num_bridges>
44     ((num_peaks * (num_peaks - 1)) / 2))
45     {
46         return 0;
47     }
48
49     vector<pair<int, int>> bridges(num_bridges);
50
51     map<pair<int, int>, bool> visited;
52
53     for (int i = 0; i < num_bridges; i++) {
54         cin >> bridges[i].first >> bridges[i].second;
55         visited[make_pair(min(bridges[i].first, bridges[i].second),
56 max(bridges[i].first, bridges[i].second))] = false;
57     }
58
59     if (checkPathExists(num_peaks, num_bridges, bridges, visited)) {
60         cout << "YES" << endl;
61     }
62     else {
63         cout << "NO" << endl;
64     }
65
66
67 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok answer is NO
 - Test 1 - **Accepted** : ok answer is YES
 - Test 2 - **Accepted** : ok answer is NO
 - Test 3 - **Accepted** : ok answer is NO
 - Test 4 - **Accepted** : ok answer is YES
 - Test 5 - **Accepted** : ok answer is YES
 - Test 6 - **Accepted** : ok answer is NO
 - Test 7 - **Accepted** : ok answer is NO
 - Test 8 - **Accepted** : ok answer is NO
 - Test 9 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 10 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 11 - **Accepted** : ok answer is YES
 - Test 12 - **Accepted** : ok answer is NO
 - Test 13 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 14 - **Accepted** : ok answer is NO
 - Test 15 - **Accepted** : ok answer is NO

- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Accepted : ok answer is NO
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138490783

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 21:54:20	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <map>
4 #include <algorithm>
5
6 using namespace std;
7
8 bool dfs(vector<vector<int>>& graph, map<pair<int, int>, bool>& visited, int current, int bridges, int visited_bridges) {
9     if (visited_bridges == bridges) {
10         return true;
11     }
12
13     for (int neighbor : graph[current]) {
14         pair<int, int> bridge = make_pair(min(current, neighbor),
15             max(current, neighbor));
16         if (!visited[bridge]) {
17             visited[bridge] = true;
18             if (dfs(graph, visited, neighbor, bridges, visited_bridges + 1))
19             {
20                 return true;
21             }
22         }
23     }
24
25     return false;
26 }
27
28 bool checkPathExists(int num_peaks, int num_bridges, vector<pair<int, int>>& bridges, map<pair<int, int>, bool>& visited) {
29     vector<vector<int>> graph(num_peaks + 1); // 加1确保数组足够大
30
31     for (const auto& bridge : bridges) {
32         graph[bridge.first].push_back(bridge.second);
33         graph[bridge.second].push_back(bridge.first);
34     }
35
36     return dfs(graph, visited, 1, num_bridges, 0); // 从顶点1开始
37 }
38
39 int main() {
40     int num_peaks, num_bridges;
41     cin >> num_peaks >> num_bridges;
```

```

42
43     if (num_peaks < 3 || num_peaks>200 || num_bridges<2 || num_bridges>
44         ((num_peaks * (num_peaks - 1)) / 2))
45     {
46         cout << "NO" << endl;
47     }
48
49     vector<pair<int, int>> bridges(num_bridges);
50
51     map<pair<int, int>, bool> visited;
52
53     for (int i = 0; i < num_bridges; i++) {
54         cin >> bridges[i].first >> bridges[i].second;
55         visited[make_pair(min(bridges[i].first, bridges[i].second),
56                           max(bridges[i].first, bridges[i].second))] = false;
57     }
58
59     if (checkPathExists(num_peaks, num_bridges, bridges, visited)) {
60         cout << "YES" << endl;
61     }
62     else {
63         cout << "NO" << endl;
64     }
65
66     return 0;
67 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok answer is NO
 - Test 1 - **Accepted** : ok answer is YES
 - Test 2 - **Accepted** : ok answer is NO
 - Test 3 - **Accepted** : ok answer is NO
 - Test 4 - **Accepted** : ok answer is YES
 - Test 5 - **Accepted** : ok answer is YES
 - Test 6 - **Accepted** : ok answer is NO
 - Test 7 - **Accepted** : ok answer is NO
 - Test 8 - **Accepted** : ok answer is NO
 - Test 9 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 10 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 11 - **Accepted** : ok answer is YES
 - Test 12 - **Accepted** : ok answer is NO
 - Test 13 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 14 - **Accepted** : ok answer is NO
 - Test 15 - **Accepted** : ok answer is NO

- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Accepted : ok answer is NO
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138489542

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 21:47:39	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <map>
4 #include <algorithm>
5
6 using namespace std;
7
8 bool dfs(vector<vector<int>>& graph, map<pair<int, int>, bool>& visited, int
9 current, int bridges, int visited_bridges) {
10     if (visited_bridges == bridges) {
11         return true;
12     }
13
14     for (int neighbor : graph[current]) {
15         pair<int, int> bridge = make_pair(min(current, neighbor),
16 max(current, neighbor));
17         if (!visited[bridge]) {
18             visited[bridge] = true;
19             if (dfs(graph, visited, neighbor, bridges, visited_bridges + 1))
20             {
21                 return true;
22             }
23         }
24     }
25 }
26
27 return false;
28 }
29
30 bool checkPathExists(int num_peaks, int num_bridges, vector<pair<int, int>>&
31 bridges, map<pair<int, int>, bool>& visited) {
32     vector<vector<int>> graph(num_peaks + 1); // 加1确保数组足够大
33
34     for (const auto& bridge : bridges) {
35         graph[bridge.first].push_back(bridge.second);
36         graph[bridge.second].push_back(bridge.first);
37     }
38
39     return dfs(graph, visited, 1, num_bridges, 0); // 从顶点1开始
40 }
41 int main() {
```

```

42     int num_peaks, num_bridges;
43     cin >> num_peaks >> num_bridges;
44
45     vector<pair<int, int>> bridges(num_bridges);
46
47     map<pair<int, int>, bool> visited;
48
49     for (int i = 0; i < num_bridges; i++) {
50         cin >> bridges[i].first >> bridges[i].second;
51         visited[make_pair(min(bridges[i].first, bridges[i].second),
52                           max(bridges[i].first, bridges[i].second))] = false;
53     }
54
55     if (checkPathExists(num_peaks, num_bridges, bridges, visited)) {
56         cout << "YES" << endl;
57     } else {
58         cout << "NO" << endl;
59     }
60
61     return 0;
62 }
63
64

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 10 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Accepted](#) : ok answer is NO
 - Test 13 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Accepted](#) : ok answer is YES

- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Accepted : ok answer is NO
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138487352

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 21:37:05	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <map>
4 #include <algorithm>
5
6 using namespace std;
7
8 bool dfs(vector<vector<int>>& graph, map<pair<int, int>, bool>& visited, int
9 current, int bridges, int visited_bridges) {
10     if (visited_bridges == bridges) {
11         return true;
12     }
13
14     for (int neighbor : graph[current]) {
15         pair<int, int> bridge = make_pair(min(current, neighbor),
16 max(current, neighbor));
17         if (!visited[bridge]) {
18             visited[bridge] = true;
19             if (dfs(graph, visited, neighbor, bridges, visited_bridges + 1))
20             {
21                 return true;
22             }
23         }
24     }
25
26     return false;
27 }
28
29 bool checkPathExists(int num_peaks, int num_bridges, vector<pair<int, int>>&
30 bridges, map<pair<int, int>, bool>& visited) {
31     vector<vector<int>> graph(num_peaks + 1); // 加1确保数组足够大
32
33     for (const auto& bridge : bridges) {
34         graph[bridge.first].push_back(bridge.second);
35         graph[bridge.second].push_back(bridge.first);
36     }
37
38     return dfs(graph, visited, 1, num_bridges, 0); // 从顶点1开始
39 }
40
41 int main() {
42     int num_peaks, num_bridges;
43     cin >> num_peaks >> num_bridges;
44
45     vector<pair<int, int>> bridges(num_bridges);
```

```

42     map<pair<int, int>, bool> visited;
43
44
45     for (int i = 0; i < num_bridges; i++) {
46         cin >> bridges[i].first >> bridges[i].second;
47         visited[make_pair(min(bridges[i].first, bridges[i].second),
48                           max(bridges[i].first, bridges[i].second))] = false;
49     }
50
51     if (checkPathExists(num_peaks, num_bridges, bridges, visited)) {
52         cout << "YES" << endl;
53     }
54     else {
55         cout << "NO" << endl;
56     }
57
58     return 0;
59 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok answer is NO
 - Test 1 - **Accepted** : ok answer is YES
 - Test 2 - **Accepted** : ok answer is NO
 - Test 3 - **Accepted** : ok answer is NO
 - Test 4 - **Accepted** : ok answer is YES
 - Test 5 - **Accepted** : ok answer is YES
 - Test 6 - **Accepted** : ok answer is NO
 - Test 7 - **Accepted** : ok answer is NO
 - Test 8 - **Accepted** : ok answer is NO
 - Test 9 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 10 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 11 - **Accepted** : ok answer is YES
 - Test 12 - **Accepted** : ok answer is NO
 - Test 13 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 14 - **Accepted** : ok answer is NO
 - Test 15 - **Accepted** : ok answer is NO
 - Test 16 - **Accepted** : ok answer is NO
 - Test 17 - **Accepted** : ok answer is YES
 - Test 18 - **Accepted** : ok answer is NO
 - Test 19 - **Accepted** : ok answer is NO
 - Test 20 - **Accepted** : ok answer is NO
 - Test 21 - **Accepted** : ok answer is NO

- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Accepted : ok answer is NO
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138486349

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 21:32:26	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <map>
4 #include <algorithm>
5
6 using namespace std;
7
8 bool dfs(vector<vector<int>>& graph, map<pair<int, int>, bool>& visited, int current, int bridges, int visited_bridges) {
9     if (visited_bridges == bridges) {
10         return true;
11     }
12
13     for (int neighbor : graph[current]) {
14         pair<int, int> bridge = make_pair(min(current, neighbor),
15             max(current, neighbor));
16         if (!visited[bridge]) {
17             visited[bridge] = true;
18             if (dfs(graph, visited, neighbor, bridges, visited_bridges + 1))
19                 return true;
20         }
21     }
22
23     return false;
24 }
25
26 bool checkPathExists(int num_peaks, int num_bridges, vector<pair<int, int>>& bridges, map<pair<int, int>, bool>& visited) {
27     vector<vector<int>> graph(num_peaks + 1); // 加1确保数组足够大
28
29     for (const auto& bridge : bridges) {
30         graph[bridge.first].push_back(bridge.second);
31         graph[bridge.second].push_back(bridge.first);
32     }
33
34     return dfs(graph, visited, 1, num_bridges, 0); // 从顶点1开始
35 }
36
37 int main() {
38     int num_peaks, num_bridges;
39     cin >> num_peaks >> num_bridges;
40
41     vector<pair<int, int>> bridges(num_bridges);
```

```

42     map<pair<int, int>, bool> visited;
43
44
45     for (int i = 0; i < num_peaks; i++) {
46         cin >> bridges[i].first >> bridges[i].second;
47         visited[bridges[i]] = false;
48     }
49
50     if (checkPathExists(num_peaks, num_bridges, bridges, visited)) {
51         cout << "YES" << endl;
52     }
53     else {
54         cout << "NO" << endl;
55     }
56
57     return 0;
58 }
59
60

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 10 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Accepted](#) : ok answer is NO
 - Test 13 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Accepted](#) : ok answer is YES
 - Test 18 - [Accepted](#) : ok answer is NO
 - Test 19 - [Accepted](#) : ok answer is NO
 - Test 20 - [Accepted](#) : ok answer is NO
 - Test 21 - [Accepted](#) : ok answer is NO

- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Accepted : ok answer is NO
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138471871

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 20:33:53	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <unordered_set>
5 #include <stack>
6 #include <algorithm>
7
8 using namespace std;
9
10 class Graph {
11 public:
12     Graph(int vertices) : vertices(vertices), adjList(vertices + 1) {}
13
14     void addEdge(int v1, int v2) {
15         adjList[v1].push_back(v2);
16         adjList[v2].push_back(v1);
17     }
18
19     bool dfs(int start, unordered_set<int>& bridges, unordered_set<int>&
peaks) {
20         stack<int> s;
21         unordered_set<int> visited;
22         s.push(start);
23         while (!s.empty()) {
24             int current = s.top();
25             s.pop();
26             if (bridges.size() > 0 && peaks.count(current) > 0) {
27                 bridges.erase(current);
28                 if (bridges.empty()) {
29                     return true;
30                 }
31             }
32             visited.insert(current);
33             for (int neighbor : adjList[current]) {
34                 if (visited.count(neighbor) == 0) {
35                     s.push(neighbor);
36                 }
37             }
38         }
39         return false;
40     }
41
42 private:
43     int vertices;
44     unordered_map<int, vector<int>> adjList;
```

```

45 };
46
47 string checkPathExistence(int numPeaks, int numBridges, const
48   vector<pair<int, int>>& connections, unordered_set<int>& peaksWithWaypoint) {
49   Graph graph(numPeaks);
50   for (const auto& connection : connections) {
51     graph.addEdge(connection.first, connection.second);
52   }
53
54   int startPeak = *peaksWithWaypoint.begin();
55   unordered_set<int> bridges;
56   for (int i = 1; i <= numBridges; ++i) {
57     bridges.insert(i);
58   }
59
60   return graph.dfs(startPeak, bridges, peaksWithWaypoint) ? "YES" : "NO";
61 }
62
63 int main() {
64   int numPeaks, numBridges;
65   cin >> numPeaks >> numBridges;
66   vector<pair<int, int>> connections(numBridges);
67   for (int i = 0; i < numBridges; ++i) {
68     cin >> connections[i].first >> connections[i].second;
69   }
70
71   unordered_set<int> peaksWithWaypoint;
72   int waypoint = 1;
73   peaksWithWaypoint.insert(waypoint);
74
75   cout << checkPathExistence(numPeaks, numBridges, connections,
76     peaksWithWaypoint) << endl;
77 }
78

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 5 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Wrong Answer](#) : wrong answer expected YES, found NO

- Test 10 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 11 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 12 - **Accepted** : ok answer is NO
- Test 13 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 14 - **Accepted** : ok answer is NO
- Test 15 - **Accepted** : ok answer is NO
- Test 16 - **Accepted** : ok answer is NO
- Test 17 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 18 - **Accepted** : ok answer is NO
- Test 19 - **Accepted** : ok answer is NO
- Test 20 - **Accepted** : ok answer is NO
- Test 21 - **Accepted** : ok answer is NO
- Test 22 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 23 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 24 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 25 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 26 - **Accepted** : ok answer is NO
- Test 27 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 28 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 29 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 30 - **Accepted** : ok answer is NO
- Test 31 - **Accepted** : ok answer is NO
- Test 32 - **Accepted** : ok answer is NO
- Test 33 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 35 - **Accepted** : ok answer is NO
- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 40 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Wrong Answer** : wrong answer expected YES, found NO

- Test 48 - [Wrong Answer](#) : wrong answer expected YES, found NO
- Test 49 - [Wrong Answer](#) : wrong answer expected YES, found NO

Submission 138470890

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 20:29:59	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <unordered_set>
5 #include <algorithm>
6 #include <numeric>
7
8 using namespace std;
9
10 class Graph {
11 public:
12     Graph(int vertices) : vertices(vertices), adjList(vertices + 1) {}
13
14     void addEdge(int v1, int v2) {
15         adjList[v1].push_back(v2);
16         adjList[v2].push_back(v1);
17     }
18
19     bool dfs(int start, unordered_set<int>& visited, vector<int>& bridges,
20              unordered_set<int>& peaks) {
21         visited.insert(start);
22         bridges.erase(remove(bridges.begin(), bridges.end(), start),
23                      bridges.end());
23         for (int neighbor : adjList[start]) {
24             if (bridges.size() > 0 && peaks.count(neighbor) > 0) {
25                 bridges.erase(remove(bridges.begin(), bridges.end(),
26                                     neighbor), bridges.end());
26                 if (bridges.empty()) {
27                     return true;
28                 }
29             }
30             if (visited.count(neighbor) == 0) {
31                 if (dfs(neighbor, visited, bridges, peaks)) {
32                     return true;
33                 }
34             }
35             visited.erase(start);
36             bridges.push_back(start);
37             return false;
38         }
39
40     private:
41         int vertices;
42         unordered_map<int, vector<int>> adjList;
```

```

43 };
44
45 string checkPathExistence(int numPeaks, int numBridges, const
46 vector<pair<int, int>>& connections, unordered_set<int>& peaksWithWaypoint) {
47     Graph graph(numPeaks);
48     for (const auto& connection : connections) {
49         graph.addEdge(connection.first, connection.second);
50     }
51     int startPeak = *peaksWithWaypoint.begin();
52     unordered_set<int> visited;
53     vector<int> bridges(numBridges);
54     iota(bridges.begin(), bridges.end(), 1);
55
56     return graph.dfs(startPeak, visited, bridges, peaksWithWaypoint) ? "YES"
57 : "NO";
58 }
59
60 int main() {
61     int numPeaks, numBridges;
62     cin >> numPeaks >> numBridges;
63     vector<pair<int, int>> connections(numBridges);
64     for (int i = 0; i < numBridges; ++i) {
65         cin >> connections[i].first >> connections[i].second;
66     }
67
68     unordered_set<int> peaksWithWaypoint;
69     int waypoint = 1;
70     peaksWithWaypoint.insert(waypoint);
71
72     cout << checkPathExistence(numPeaks, numBridges, connections,
73     peaksWithWaypoint) << endl;
74
75     return 0;
76 }

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Time Limit Exceeded :
 - Test 5 - Time Limit Exceeded :
 - Test 6 - Time Limit Exceeded :
 - Test 7 - Time Limit Exceeded :
 - Test 8 - Time Limit Exceeded :
 - Test 9 - Time Limit Exceeded :

- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Wrong Answer](#) : wrong answer expected YES, found NO
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Time Limit Exceeded](#) :
- Test 17 - [Time Limit Exceeded](#) :
- Test 18 - [Time Limit Exceeded](#) :
- Test 19 - [Time Limit Exceeded](#) :
- Test 20 - [Time Limit Exceeded](#) :
- Test 21 - [Time Limit Exceeded](#) :
- Test 22 - [Time Limit Exceeded](#) :
- Test 23 - [Time Limit Exceeded](#) :
- Test 24 - [Time Limit Exceeded](#) :
- Test 25 - [Time Limit Exceeded](#) :
- Test 26 - [Time Limit Exceeded](#) :
- Test 27 - [Time Limit Exceeded](#) :
- Test 28 - [Time Limit Exceeded](#) :
- Test 29 - [Time Limit Exceeded](#) :
- Test 30 - [Time Limit Exceeded](#) :
- Test 31 - [Time Limit Exceeded](#) :
- Test 32 - [Time Limit Exceeded](#) :
- Test 33 - [Time Limit Exceeded](#) :
- Test 34 - [Time Limit Exceeded](#) :
- Test 35 - [Time Limit Exceeded](#) :
- Test 36 - [Time Limit Exceeded](#) :
- Test 37 - [Time Limit Exceeded](#) :
- Test 38 - [Time Limit Exceeded](#) :
- Test 39 - [Time Limit Exceeded](#) :
- Test 40 - [Time Limit Exceeded](#) :
- Test 41 - [Accepted](#) : ok answer is NO
- Test 42 - [Time Limit Exceeded](#) :
- Test 43 - [Time Limit Exceeded](#) :
- Test 44 - [Time Limit Exceeded](#) :
- Test 45 - [Time Limit Exceeded](#) :
- Test 46 - [Time Limit Exceeded](#) :
- Test 47 - [Wrong Answer](#) : wrong answer expected YES, found NO

- Test 48 - [Wrong Answer](#) : wrong answer expected YES, found NO
- Test 49 - [Wrong Answer](#) : wrong answer expected YES, found NO

Submission 138470469

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 20:28:26	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <unordered_set>
5 #include <algorithm>
6 #include <numeric>
7
8 using namespace std;
9
10 class Graph {
11 public:
12     Graph(int vertices) : vertices(vertices), adjList(vertices + 1) {}
13
14     void addEdge(int v1, int v2) {
15         adjList[v1].push_back(v2);
16         adjList[v2].push_back(v1);
17     }
18
19     bool dfs(int start, unordered_set<int>& visited, vector<int>& bridges,
20              unordered_set<int>& peaks) {
21         visited.insert(start);
22         bridges.erase(remove(bridges.begin(), bridges.end(), start),
23                      bridges.end());
23         for (int neighbor : adjList[start]) {
24             if (bridges.size() > 0 && peaks.count(neighbor) > 0) {
25                 bridges.erase(remove(bridges.begin(), bridges.end(),
26                                     neighbor), bridges.end());
26                 if (bridges.empty()) {
27                     return true;
28                 }
29             }
30             if (visited.count(neighbor) == 0) {
31                 if (dfs(neighbor, visited, bridges, peaks)) {
32                     return true;
33                 }
34             }
35             visited.erase(start);
36             bridges.push_back(start);
37             return false;
38         }
39
40     private:
41         int vertices;
42         unordered_map<int, vector<int>> adjList;
```

```

43 }
44
45 string checkPathExistence(int numPeaks, int numBridges, const
46 vector<pair<int, int>>& connections, unordered_set<int>& peaksWithWaypoint) {
47     Graph graph(numPeaks);
48     for (const auto& connection : connections) {
49         graph.addEdge(connection.first, connection.second);
50     }
51
52     int startPeak = *peaksWithWaypoint.begin();
53     unordered_set<int> visited;
54     vector<int> bridges(numBridges);
55     iota(bridges.begin(), bridges.end(), 1);
56
57     return graph.dfs(startPeak, visited, bridges, peaksWithWaypoint) ? "路径存
58 在" : "路径不存在";
59 }
60
61 int main() {
62     int numPeaks, numBridges;
63     cin >> numPeaks >> numBridges;
64     vector<pair<int, int>> connections(numBridges);
65     for (int i = 0; i < numBridges; ++i) {
66         cin >> connections[i].first >> connections[i].second;
67     }
68
69     unordered_set<int> peaksWithWaypoint;
70     int waypoint;
71     cin >> waypoint;
72     peaksWithWaypoint.insert(waypoint);
73
74     cout << checkPathExistence(numPeaks, numBridges, connections,
75     peaksWithWaypoint) << endl;
76
77     return 0;
78 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 1 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 2 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 3 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 4 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 5 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 6 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 7 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 8 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
 - Test 9 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found

- Test 10 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 11 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 12 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 13 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 14 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 15 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 16 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 17 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 18 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 19 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 20 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 21 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 22 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 23 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 24 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 25 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 26 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 27 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 28 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 29 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 30 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found

- Test 31 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 32 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 33 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 34 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 35 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 36 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 37 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 38 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 39 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 40 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 41 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 42 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 43 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 44 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 45 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 46 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 47 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 48 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found
- Test 49 - [Wrong Answer](#) : wrong output format YES or NO expected, but 路径不存在 found

Submission 138469131

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 20:23:12	Bridges in Liyue	Python 3	Unaccepted

Code

```
1  class Graph:
2      def __init__(self, vertices):
3          self.vertices = vertices
4          self.adj_list = {v: [] for v in vertices}
5
6      def add_edge(self, v1, v2):
7          self.adj_list[v1].append(v2)
8          self.adj_list[v2].append(v1)
9
10     def dfs(graph, start, visited, bridges, peaks):
11         visited[start] = True
12         bridges.remove(start)
13         for neighbor in graph.adj_list[start]:
14             if neighbor in bridges:
15                 bridges.remove(neighbor)
16             if neighbor in peaks and len(bridges) == 0:
17                 return True
18             if not visited[neighbor]:
19                 if dfs(graph, neighbor, visited, bridges, peaks):
20                     return True
21         visited[start] = False
22         bridges.append(start)
23         return False
24
25     def check_path_existence(num_peaks, num_bridges, connections):
26         peaks_with_waypoint = set(map(int, input().split()))
27         graph = Graph(range(1, num_peaks + 1))
28         for connection in connections:
29             v1, v2 = map(int, connection.split())
30             graph.add_edge(v1, v2)
31
32             start_peak = peaks_with_waypoint.pop()
33             visited = {v: False for v in graph.vertices}
34             bridges = list(range(1, num_bridges + 1))
35
36             return "路径存在" if dfs(graph, start_peak, visited, bridges,
37             peaks_with_waypoint) else "路径不存在"
38
39     # 读取输入
40     num_peaks, num_bridges = map(int, input().split())
41     connections = [input() for _ in range(num_bridges)]
42
43     # 检查路径是否存在
44     result = check_path_existence(num_peaks, num_bridges, connections)
45     print(result)
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Runtime Error :
 - Test 1 - Runtime Error :
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Runtime Error :
 - Test 5 - Runtime Error :
 - Test 6 - Runtime Error :
 - Test 7 - Runtime Error :
 - Test 8 - Runtime Error :
 - Test 9 - Runtime Error :
 - Test 10 - Runtime Error :
 - Test 11 - Runtime Error :
 - Test 12 - Runtime Error :
 - Test 13 - Runtime Error :
 - Test 14 - Runtime Error :
 - Test 15 - Runtime Error :
 - Test 16 - Runtime Error :
 - Test 17 - Runtime Error :
 - Test 18 - Runtime Error :
 - Test 19 - Runtime Error :
 - Test 20 - Runtime Error :
 - Test 21 - Runtime Error :
 - Test 22 - Runtime Error :
 - Test 23 - Runtime Error :
 - Test 24 - Runtime Error :
 - Test 25 - Runtime Error :
 - Test 26 - Runtime Error :
 - Test 27 - Runtime Error :
 - Test 28 - Runtime Error :
 - Test 29 - Runtime Error :
 - Test 30 - Runtime Error :
 - Test 31 - Runtime Error :
 - Test 32 - Runtime Error :
 - Test 33 - Runtime Error :
 - Test 34 - Runtime Error :
 - Test 35 - Runtime Error :

- Test 36 - [Runtime Error](#) :
- Test 37 - [Runtime Error](#) :
- Test 38 - [Runtime Error](#) :
- Test 39 - [Runtime Error](#) :
- Test 40 - [Runtime Error](#) :
- Test 41 - [Runtime Error](#) :
- Test 42 - [Runtime Error](#) :
- Test 43 - [Runtime Error](#) :
- Test 44 - [Runtime Error](#) :
- Test 45 - [Runtime Error](#) :
- Test 46 - [Runtime Error](#) :
- Test 47 - [Runtime Error](#) :
- Test 48 - [Runtime Error](#) :
- Test 49 - [Runtime Error](#) :

Submission 138434149

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/6 17:22:13	Bridges in Liyue	C++20	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define MAXSIZE 300
3 using namespace std;
4
5 //边节点
6 struct EdgeNode{
7     int edge;
8     EdgeNode *next;
9 };
10
11 struct VexNode
12 {
13     int nodeNum;
14     int Data;
15     EdgeNode *first;
16 };
17
18 struct SevenBriged
19 {
20     VexNode Feng[MAXSIZE];
21     int n; // Number of Mountenr
22     int m; //Number of Brige
23 };
24
25 void CreateGraph(SevenBriged &G) {
26     int i, j, k;
27     EdgeNode *p = NULL;
28     EdgeNode *q = NULL;
29     cin >> G.n >> G.m;
30     for (k = 1; k <= G.n; k++) {
31         G.Feng[k].nodeNum = k;
32         G.Feng[k].first = NULL;
33         G.Feng[k].Data = 0;
34     }
35     for (k = 0; k < G.m; k++) {
36         cin >> i >> j;
37         p = new EdgeNode;
38         p->edge = j;
39         p->next = G.Feng[i].first;
40         G.Feng[i].first = p;
41         q = new EdgeNode;
42         q->edge = i;
43         q->next = G.Feng[j].first;
44         G.Feng[j].first = q;
45     }
}
```

```

46 }
47
48 void Count(SevenBriged &G) {
49     for (int i = 1; i <= G.n; i++) {
50         EdgeNode *p = G.Feng[i].first;
51         while (p != NULL) {
52             G.Feng[i].Data++;
53             p = p->next;
54         }
55     }
56 }
57
58 int main()
59 {
60     SevenBriged G;
61     bool Can = 0;
62     int Nodeey = 0;
63     CreateGraph(G);
64     Count(G);
65     for (int i = 1; i <= G.n; i++) {
66         if (G.Feng[i].Data % 2 == 1) Nodeey++;
67     }
68     if (Nodeey < 2) Can = 1;
69     else if (Nodeey == 2) {
70         if (G.Feng[1].Data % 2 == 1) Can = 1;
71     }
72     if (Can) cout << "YES" << endl;
73     else cout << "NO" << endl;
74     //system("pause");
75     return 0;
76 }
77

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO

- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138379040

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 00:01:04	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     long long odd =0;
17     for(long long j = 0;j<n;j++){
18         // if(count_arr[j]%2 == 0){
19             //     even++;
20             // }
21         if(count_arr[j]%2 != 0){
22             odd++;
23         }
24     }
25     if(odd == 0 || odd == 2){
26
27         cout<<"YES";
28     }
29     // if(even == n || even == n-1){
30
31         //     cout<<"YES";
32         // }
33     else{cout<<"NO";}
34
35
36     return 0;
37 }
38 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Accepted](#) : ok answer is YES
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Accepted](#) : ok answer is YES
 - Test 18 - [Accepted](#) : ok answer is NO
 - Test 19 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 20 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 21 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 22 - [Accepted](#) : ok answer is YES
 - Test 23 - [Accepted](#) : ok answer is YES
 - Test 24 - [Accepted](#) : ok answer is YES
 - Test 25 - [Accepted](#) : ok answer is YES
 - Test 26 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 27 - [Accepted](#) : ok answer is YES
 - Test 28 - [Accepted](#) : ok answer is YES
 - Test 29 - [Accepted](#) : ok answer is YES
 - Test 30 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 31 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 32 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 33 - [Accepted](#) : ok answer is YES
 - Test 34 - [Accepted](#) : ok answer is YES
 - Test 35 - [Wrong Answer](#) : wrong answer expected NO, found YES

- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138378831

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:56:48	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-1){
22
23         cout<<"YES";
24     }
25     else{cout<<"NO";}
26
27     return 0;
28 }
29
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Wrong Answer : wrong answer expected YES, found NO
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Wrong Answer : wrong answer expected YES, found NO
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Wrong Answer : wrong answer expected YES, found NO
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Accepted : ok answer is YES

Submission 138378801

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:56:24	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-2){
22
23         cout<<"YES";
24     }
25     else{cout<<"NO";}
26     for(int i =0;i<count_arr.size();i++){
27         cout<<count_arr[i];
28     }
29
30     return 0;
31 }
32 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format YES or NO expected, but NO132123121 found
 - Test 1 - Wrong Answer : wrong output format YES or NO expected, but YES142223222 found
 - Test 2 - Wrong Answer : wrong output format YES or NO expected, but YES232223222 found

- Test 3 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO5748585367585449454460545556...6544748566459464851605456545250 found
- Test 4 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES688866101010866848106868108...8121210814881010886121481081010 found
- Test 5 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES697884726670807084788074728...8727880707076687888827870728084 found
- Test 6 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4762345487516594563446699355265665463646466744753356497545424 found
- Test 7 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO2741323332353034353133353040...8352737383632293231263536293541 found
- Test 8 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1191131211301101281201161111...411711611119124114116112115112 found
- Test 9 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES151616161618102016181814162...8242026202012221820182224142014 found
- Test 10 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES404034524032264232384040323...4322828363032405036523440404632 found
- Test 11 - [Wrong Answer](#) : wrong output format YES or NO expected, but YES422662444 found
- Test 12 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES406052585254485444486053544...2506260464650545250544850565455 found
- Test 13 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES656466586058685462605246585...0606272606466585260546054646660 found
- Test 14 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4228283435442926363631332930...039382933338302734363325414136 found
- Test 15 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1051051091151151201061111061...011111107120111116103125120110 found
- Test 16 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1921232018132317181922112018...5181817162315202023112117141918 found
- Test 17 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES26442464266428448444642244626446466624662464410 found
- Test 18 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO71071112108513111271055811 found
- Test 19 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES121020102012161216141414181...8141814181212122020131610161218 found
- Test 20 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES241616241624161818161816181...20141816101016121420122010614 found
- Test 21 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES106106648644681285866242106...2881261261048266684566446610846 found
- Test 22 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES415044464248464452444640405...0404646484840384840504642465038 found
- Test 23 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES168814121481612181012141014...2101216101410181481212108141214 found

- Test 24 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES568810106246666864810610667...4661210412686886288848861061044 found
- Test 25 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES25231824182822216182628243...8262626202224282626321820202626 found
- Test 26 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES20242824202026242022214221...2203024222218162220163016202216 found
- Test 27 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES211820182220282022202814203...02422228222282624221826202614 found
- Test 28 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES655450506260586256505450565...4665068585262566658625256426452 found
- Test 29 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES1316161016111614121214128...4121414121416141012108101414148 found
- Test 30 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES565646484054445056564854505...0565448604660605266465050466248 found
- Test 31 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES323832343032262822344026282...23424343032263032442828362626 found
- Test 32 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES16121616201412161716142014121416141618161716141414 found
- Test 33 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES1381012128888128812814121...12101461214816121216101261212 found
- Test 34 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES466048545246464252445248545...0464638425446584656545048545656 found
- Test 35 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES202412182612222615221420242...41420182422224181620202221814 found
- Test 36 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES74767272726667868687270686...4666666746076667672687264666670 found
- Test 37 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES101210203016222214162020241...2201812201818141822142414202016 found
- Test 38 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES343832403032364034363330322...6364444343238343432382632263234 found
- Test 39 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES696658806474566760566458586...8666264687266646660665860645664 found
- Test 40 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES13121816181416101014141012111212161614141412121416141216 found
- Test 41 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES24324432222 found
- Test 42 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES666661010106668644468326464...1044810446664462468464654661086 found
- Test 43 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES261816201824181414182220222...0182422192422261622242418182420 found
- Test 44 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES404440444042344642423646443...6444048484236424446463840384042 found

Submission 138378789

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:56:09	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-2){
22
23         cout<<"YES";
24     }
25     else{cout<<"NO";}
26     for(int i =0;i<count_arr.size();i++){
27         cout<<count_arr[i];
28     }
29
30     return 0;
31 }
32 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format YES or NO expected, but NO132123121 found
 - Test 1 - Wrong Answer : wrong output format YES or NO expected, but YES142223222 found
 - Test 2 - Wrong Answer : wrong output format YES or NO expected, but YES232223222 found

- Test 3 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO5748585367585449454460545556...6544748566459464851605456545250 found
- Test 4 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES688866101010866848106868108...8121210814881010886121481081010 found
- Test 5 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES697884726670807084788074728...8727880707076687888827870728084 found
- Test 6 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4762345487516594563446699355265665463646466744753356497545424 found
- Test 7 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO2741323332353034353133353040...8352737383632293231263536293541 found
- Test 8 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1191131211301101281201161111...411711611119124114116112115112 found
- Test 9 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES151616161618102016181814162...8242026202012221820182224142014 found
- Test 10 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES404034524032264232384040323...4322828363032405036523440404632 found
- Test 11 - [Wrong Answer](#) : wrong output format YES or NO expected, but YES422662444 found
- Test 12 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES406052585254485444486053544...2506260464650545250544850565455 found
- Test 13 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES656466586058685462605246585...0606272606466585260546054646660 found
- Test 14 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4228283435442926363631332930...039382933338302734363325414136 found
- Test 15 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1051051091151151201061111061...011111107120111116103125120110 found
- Test 16 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1921232018132317181922112018...5181817162315202023112117141918 found
- Test 17 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES26442464266428448444642244626446466624662464410 found
- Test 18 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO71071112108513111271055811 found
- Test 19 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES121020102012161216141414181...8141814181212122020131610161218 found
- Test 20 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES241616241624161818161816181...20141816101016121420122010614 found
- Test 21 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES106106648644681285866242106...2881261261048266684566446610846 found
- Test 22 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES415044464248464452444640405...0404646484840384840504642465038 found
- Test 23 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES168814121481612181012141014...2101216101410181481212108141214 found

- Test 24 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES568810106246666864810610667...4661210412686886288848861061044 found
- Test 25 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES25231824182822216182628243...8262626202224282626321820202626 found
- Test 26 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES20242824202026242022214221...2203024222218162220163016202216 found
- Test 27 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES211820182220282022202814203...02422228222282624221826202614 found
- Test 28 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES655450506260586256505450565...4665068585262566658625256426452 found
- Test 29 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES1316161016111614121214128...4121414121416141012108101414148 found
- Test 30 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES565646484054445056564854505...0565448604660605266465050466248 found
- Test 31 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES323832343032262822344026282...23424343032263032442828362626 found
- Test 32 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES16121616201412161716142014121416141618161716141414 found
- Test 33 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES1381012128888128812814121...12101461214816121216101261212 found
- Test 34 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES466048545246464252445248545...0464638425446584656545048545656 found
- Test 35 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES202412182612222615221420242...41420182422224181620202221814 found
- Test 36 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES74767272726667868687270686...4666666746076667672687264666670 found
- Test 37 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES101210203016222214162020241...2201812201818141822142414202016 found
- Test 38 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES343832403032364034363330322...6364444343238343432382632263234 found
- Test 39 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES696658806474566760566458586...8666264687266646660665860645664 found
- Test 40 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES13121816181416101014141012111212161614141412121416141216 found
- Test 41 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES24324432222 found
- Test 42 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES666661010106668644468326464...1044810446664462468464654661086 found
- Test 43 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES261816201824181414182220222...0182422192422261622242418182420 found
- Test 44 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES404440444042344642423646443...6444048484236424446463840384042 found

Submission 138378776

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:55:52	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-1){
22
23         cout<<"YES";
24     }
25     else{cout<<"NO";}
26     for(int i =0;i<count_arr.size();i++){
27         cout<<count_arr[i];
28     }
29
30     return 0;
31 }
32 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format YES or NO expected, but NO132123121 found
 - Test 1 - Wrong Answer : wrong output format YES or NO expected, but NO142223222 found
 - Test 2 - Wrong Answer : wrong output format YES or NO expected, but NO232223222 found

- Test 3 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO5748585367585449454460545556...6544748566459464851605456545250 found
- Test 4 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES688866101010866848106868108...8121210814881010886121481081010 found
- Test 5 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO6978847266708070847880747280...8727880707076687888827870728084 found
- Test 6 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4762345487516594563446699355265665463646466744753356497545424 found
- Test 7 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO2741323332353034353133353040...8352737383632293231263536293541 found
- Test 8 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1191131211301101281201161111...411711611119124114116112115112 found
- Test 9 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1516161616181020161818141626...8242026202012221820182224142014 found
- Test 10 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES404034524032264232384040323...4322828363032405036523440404632 found
- Test 11 - [Wrong Answer](#) : wrong output format YES or NO expected, but YES422662444 found
- Test 12 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4060525852544854444860535448...2506260464650545250544850565455 found
- Test 13 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO6564665860586854626052465850...0606272606466585260546054646660 found
- Test 14 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4228283435442926363631332930...039382933338302734363325414136 found
- Test 15 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1051051091151151201061111061...011111107120111116103125120110 found
- Test 16 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1921232018132317181922112018...5181817162315202023112117141918 found
- Test 17 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES26442464266428448444642244626446466624662464410 found
- Test 18 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO71071112108513111271055811 found
- Test 19 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1210201020121612161414141816...8141814181212122020131610161218 found
- Test 20 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO2416162416241618181618161818...2014181616101016121420122010614 found
- Test 21 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1061066486446812858662421064...2881261261048266684566446610846 found
- Test 22 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO4150444642484644524446404058...0404646484840384840504642465038 found
- Test 23 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES168814121481612181012141014...2101216101410181481212108141214 found

- Test 24 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO5688101062466668648106106678...4661210412686886288848861061044 found
- Test 25 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO252318241828222161826282434...8262626202224282626321820202626 found
- Test 26 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO202428242020262420222142212...2203024222218162220163016202216 found
- Test 27 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO2118201822202820222028142030...02422228222282624221826202614 found
- Test 28 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO6554505062605862565054505652...4665068585262566658625256426452 found
- Test 29 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1316161610161116141212141288...4121414121416141012108101414148 found
- Test 30 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO5656464840544450565648545050...0565448604660605266465050466248 found
- Test 31 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO3238323430322628223440262824...2342434303226303244282836262626 found
- Test 32 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO16121616201412161716142014121416141618161716141414 found
- Test 33 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1381012128888128812814121213...12101461214816121216101261212 found
- Test 34 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES466048545246464252445248545...0464638425446584656545048545656 found
- Test 35 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO2024121826122226152214202422...41420182422224181620202221814 found
- Test 36 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES74767272726667868687270686...4666666746076667672687264666670 found
- Test 37 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO1012102030162222141620202418...2201812201818141822142414202016 found
- Test 38 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO3438324030323640343633303228...6364444343238343432382632263234 found
- Test 39 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO6966588064745667605664585860...8666264687266646660665860645664 found
- Test 40 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO13121816181416101014141012111212161614141412121416141216 found
- Test 41 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO24324432222 found
- Test 42 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO6666610101066686444683264646...1044810446664462468464654661086 found
- Test 43 - [Wrong Answer](#) : wrong output format YES or NO expected, but
NO2618162018241814141822202224...0182422192422261622242418182420 found
- Test 44 - [Wrong Answer](#) : wrong output format YES or NO expected, but
YES404440444042344642423646443...6444048484236424446463840384042 found

Submission 138378383

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:49:19	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-1){
22
23         cout<<"YES";
24     }
25     else{cout<<"NO";}
26
27     return 0;
28 }
29
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Wrong Answer : wrong answer expected YES, found NO
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Wrong Answer : wrong answer expected YES, found NO
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Wrong Answer : wrong answer expected YES, found NO
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Accepted : ok answer is YES

Submission 138378326

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:48:29	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21 }
22 // if(even == n || even == n-2){
23 if(even == n){
24
25     cout<<"YES";
26 }
27 else{cout<<"NO";}
28
29 return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Wrong Answer : wrong answer expected YES, found NO
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Wrong Answer : wrong answer expected YES, found NO
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Wrong Answer : wrong answer expected YES, found NO
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Accepted : ok answer is YES

Submission 138378290

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:48:01	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21 }
22 // if(even == n || even == n-2){
23 if(even == n-2){
24
25     cout<<"YES";
26 }
27 else{cout<<"NO";}
28
29 return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Wrong Answer : wrong answer expected YES, found NO
- Test 11 - Wrong Answer : wrong answer expected YES, found NO
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Wrong Answer : wrong answer expected YES, found NO
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Wrong Answer : wrong answer expected YES, found NO
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Wrong Answer : wrong answer expected YES, found NO

- Test 45 - Accepted : ok answer is NO
- Test 46 - Wrong Answer : wrong answer expected YES, found NO
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Wrong Answer : wrong answer expected YES, found NO

Submission 138378252

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:47:27	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21 }
22 // if(even == n || even == n-2){
23     if(even == n ){
24
25         cout<<"YES";
26     }
27     else{cout<<"NO";}
28
29     return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Wrong Answer : wrong answer expected YES, found NO
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Wrong Answer : wrong answer expected YES, found NO
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Wrong Answer : wrong answer expected YES, found NO
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Accepted : ok answer is YES

Submission 138378154

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:46:06	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21 }
22 // if(even == n || even == n-2){
23     if(even == n ){
24
25         cout<<"YES";
26     }
27     else{cout<<"NO";}
28
29     return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Wrong Answer : wrong answer expected YES, found NO
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Wrong Answer : wrong answer expected YES, found NO
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Wrong Answer : wrong answer expected YES, found NO
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Accepted : ok answer is YES

Submission 138378136

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:45:45	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21 }
22 // if(even == n || even == n-2){
23 //     if(even == n || even == n-2){
24
25         cout<<"YES";
26     }
27     else{cout<<"NO";}
28
29     return 0;
30 }
31 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138378001

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:43:40	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n,0);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-2){
22         cout<<"YES";
23     }
24     else{cout<<"NO";}
25
26     return 0;
27 }
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO

- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO

- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138377920

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:42:25	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-2){
22         cout<<"YES";
23     }
24     else{cout<<"NO";}
25
26     return 0;
27 }
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO

- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO

- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138377803

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:40:42	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<long long> count_arr(n);
9     for(long long i = 0;i<m;i++){
10         long long u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     long long even = 0;
16     for(long long j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-2){
22         cout<<"yes";
23     }
24     else{cout<<"no";}
25
26     return 0;
27 }
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO

- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO

- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138377712

User	Time	Problem	Language	Verdict
cluelx	2023/12/5 23:39:37	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     int n , m;
6     //n, m, 代表山峰的数量和桥梁的数量
7     cin>>n>>m;
8     vector<int> count_arr(n);
9     for(int i = 0;i<m;i++){
10         int u,v;
11         cin>>u>>v;
12         count_arr[u-1]++;
13         count_arr[v-1]++;
14     }
15     int even = 0;
16     for(int j = 0;j<n;j++){
17         if(count_arr[j]%2 == 0){
18             even++;
19         }
20     }
21     if(even == n || even == n-2){
22         cout<<"yes";
23     }
24     else{cout<<"no";}
25
26     return 0;
27 }
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO

- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO

- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138367779

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/5 22:16:11	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define MAXSIZE 100
3 using namespace std;
4
5 //边节点
6 struct EdgeNode{
7     int edge;
8     EdgeNode *next;
9 };
10
11 struct VexNode
12 {
13     int nodeNum;
14     int Data;
15     EdgeNode *first;
16 };
17
18 struct SevenBriged
19 {
20     VexNode Feng[MAXSIZE];
21     int n; // Number of Mountenr
22     int m; //Number of Brige
23 };
24
25 void CreateGraph(SevenBriged &G) {
26     int i, j, k;
27     EdgeNode *p = NULL;
28     EdgeNode *q = NULL;
29     cin >> G.n >> G.m;
30     for (k = 1; k <= G.n; k++) {
31         G.Feng[k].nodeNum = k;
32         G.Feng[k].first = NULL;
33         G.Feng[k].Data = 0;
34     }
35     for (k = 0; k < G.m; k++) {
36         cin >> i >> j;
37         p = new EdgeNode;
38         p->edge = j;
39         p->next = G.Feng[i].first;
40         G.Feng[i].first = p;
41         q = new EdgeNode;
42         q->edge = i;
43         q->next = G.Feng[j].first;
44         G.Feng[j].first = q;
45     }
}
```

```

46 }
47
48 void Count(SevenBriged &G) {
49     for (int i = 1; i <= G.n; i++) {
50         EdgeNode *p = G.Feng[i].first;
51         while (p != NULL) {
52             G.Feng[i].Data++;
53             p = p->next;
54         }
55     }
56 }
57
58 int main()
59 {
60     SevenBriged G;
61     bool Can = 0;
62     int Nodeey = 0;
63     CreateGraph(G);
64     Count(G);
65     for (int i = 1; i <= G.n; i++) {
66         if (G.Feng[i].Data % 2 == 1) Nodeey++;
67     }
68     if (Nodeey < 2) Can = 1;
69     else if (Nodeey == 2) {
70         if (G.Feng[1].Data % 2 == 1) Can = 1;
71     }
72     if (Can) cout << "YES" << endl;
73     else cout << "NO" << endl;
74     //system("pause");
75     return 0;
76 }
77

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Runtime Error](#) :
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Runtime Error](#) :
 - Test 9 - [Runtime Error](#) :
 - Test 10 - [Runtime Error](#) :
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Runtime Error](#) :

- Test 13 - [Runtime Error](#) :
- Test 14 - [Runtime Error](#) :
- Test 15 - [Runtime Error](#) :
- Test 16 - [Accepted](#) : ok answer is NO
- Test 17 - [Accepted](#) : ok answer is YES
- Test 18 - [Accepted](#) : ok answer is NO
- Test 19 - [Accepted](#) : ok answer is NO
- Test 20 - [Runtime Error](#) :
- Test 21 - [Accepted](#) : ok answer is NO
- Test 22 - [Accepted](#) : ok answer is YES
- Test 23 - [Accepted](#) : ok answer is YES
- Test 24 - [Runtime Error](#) :
- Test 25 - [Runtime Error](#) :
- Test 26 - [Runtime Error](#) :
- Test 27 - [Accepted](#) : ok answer is YES
- Test 28 - [Runtime Error](#) :
- Test 29 - [Accepted](#) : ok answer is YES
- Test 30 - [Runtime Error](#) :
- Test 31 - [Runtime Error](#) :
- Test 32 - [Accepted](#) : ok answer is NO
- Test 33 - [Accepted](#) : ok answer is YES
- Test 34 - [Runtime Error](#) :
- Test 35 - [Accepted](#) : ok answer is NO
- Test 36 - [Runtime Error](#) :
- Test 37 - [Runtime Error](#) :
- Test 38 - [Runtime Error](#) :
- Test 39 - [Runtime Error](#) :
- Test 40 - [Accepted](#) : ok answer is YES
- Test 41 - [Accepted](#) : ok answer is NO
- Test 42 - [Runtime Error](#) :
- Test 43 - [Accepted](#) : ok answer is NO
- Test 44 - [Accepted](#) : ok answer is YES
- Test 45 - [Runtime Error](#) :
- Test 46 - [Runtime Error](#) :
- Test 47 - [Runtime Error](#) :
- Test 48 - [Runtime Error](#) :
- Test 49 - [Accepted](#) : ok answer is YES

Submission 138365540

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/5 22:02:36	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define MAXSIZE 100
3 using namespace std;
4
5 //边节点
6 struct EdgeNode{
7     int edge;
8     EdgeNode *next;
9 };
10
11 struct VexNode
12 {
13     int nodeNum;
14     int Data;
15     EdgeNode *first;
16 };
17
18 struct SevenBriged
19 {
20     VexNode Feng[MAXSIZE];
21     int n; // Number of Mountenr
22     int m; //Number of Brige
23 };
24
25 void CreateGraph(SevenBriged &G) {
26     int i, j, k;
27     EdgeNode *p = NULL;
28     EdgeNode *q = NULL;
29     cin >> G.n >> G.m;
30     for (k = 1; k <= G.n; k++) {
31         G.Feng[k].nodeNum = k;
32         G.Feng[k].first = NULL;
33         G.Feng[k].Data = 0;
34     }
35     for (k = 0; k < G.m; k++) {
36         cin >> i >> j;
37         p = new EdgeNode;
38         p->edge = j;
39         p->next = G.Feng[i].first;
40         G.Feng[i].first = p;
41         q = new EdgeNode;
42         q->edge = i;
43         q->next = G.Feng[j].first;
44         G.Feng[j].first = q;
45     }
}
```

```

46 }
47
48 void Count(SevenBriged &G) {
49     for (int i = 1; i <= G.n; i++) {
50         EdgeNode *p = G.Feng[i].first;
51         while (p != NULL) {
52             G.Feng[i].Data++;
53             p = p->next;
54         }
55     }
56 }
57
58 int main()
59 {
60     SevenBriged G;
61     bool Can = 0;
62     int Nodeey = 0;
63     CreateGraph(G);
64     Count(G);
65     for (int i = 1; i <= G.n; i++) {
66         if (G.Feng[i].Data % 2 == 1) Nodeey++;
67     }
68     if (Nodeey < 2) Can = 1;
69     else if (Nodeey == 2) {
70         if (G.Feng[1].Data % 2 == 1) Can = 1;
71     }
72     if (Can) cout << "YES" << endl;
73     else cout << "NO" << endl;
74     //system("pause");
75     return 0;
76 }
77

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Accepted](#) : ok answer is YES
 - Test 5 - [Runtime Error](#) :
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Runtime Error](#) :
 - Test 9 - [Runtime Error](#) :
 - Test 10 - [Runtime Error](#) :
 - Test 11 - [Accepted](#) : ok answer is YES
 - Test 12 - [Runtime Error](#) :

- Test 13 - [Runtime Error](#) :
- Test 14 - [Runtime Error](#) :
- Test 15 - [Runtime Error](#) :
- Test 16 - [Accepted](#) : ok answer is NO
- Test 17 - [Accepted](#) : ok answer is YES
- Test 18 - [Accepted](#) : ok answer is NO
- Test 19 - [Accepted](#) : ok answer is NO
- Test 20 - [Runtime Error](#) :
- Test 21 - [Accepted](#) : ok answer is NO
- Test 22 - [Accepted](#) : ok answer is YES
- Test 23 - [Accepted](#) : ok answer is YES
- Test 24 - [Runtime Error](#) :
- Test 25 - [Runtime Error](#) :
- Test 26 - [Runtime Error](#) :
- Test 27 - [Accepted](#) : ok answer is YES
- Test 28 - [Runtime Error](#) :
- Test 29 - [Accepted](#) : ok answer is YES
- Test 30 - [Runtime Error](#) :
- Test 31 - [Runtime Error](#) :
- Test 32 - [Accepted](#) : ok answer is NO
- Test 33 - [Accepted](#) : ok answer is YES
- Test 34 - [Runtime Error](#) :
- Test 35 - [Accepted](#) : ok answer is NO
- Test 36 - [Runtime Error](#) :
- Test 37 - [Runtime Error](#) :
- Test 38 - [Runtime Error](#) :
- Test 39 - [Runtime Error](#) :
- Test 40 - [Accepted](#) : ok answer is YES
- Test 41 - [Accepted](#) : ok answer is NO
- Test 42 - [Runtime Error](#) :
- Test 43 - [Accepted](#) : ok answer is NO
- Test 44 - [Accepted](#) : ok answer is YES
- Test 45 - [Runtime Error](#) :
- Test 46 - [Runtime Error](#) :
- Test 47 - [Runtime Error](#) :
- Test 48 - [Runtime Error](#) :
- Test 49 - [Accepted](#) : ok answer is YES

Submission 138305112

User	Time	Problem	Language	Verdict
Zhaoshuyan0623	2023/12/5 17:15:13	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 def is_valid_path(graph, current_peak, visited, remaining_bridges):
2     visited[current_peak] = True
3
4     for neighbor in graph[current_peak]:
5         if not visited[neighbor]:
6             bridge = (current_peak, neighbor) if (current_peak, neighbor) in
7             remaining_bridges else (neighbor, current_peak)
8             remaining_bridges.discard(bridge)
9             if is_valid_path(graph, neighbor, visited, remaining_bridges):
10                 return True
11             remaining_bridges.add(bridge)
12
13     visited[current_peak] = False
14     return False
15
16 def has_valid_path(n, m, bridges):
17     graph = {i: [] for i in range(1, n + 1)}
18     for u, v in bridges:
19         graph[u].append(v)
20         graph[v].append(u)
21
22     visited = [False] * (n + 1)
23     remaining_bridges = set(map(tuple, bridges))
24
25     return is_valid_path(graph, 1, visited, remaining_bridges)
26
27 # 例子：
28 n, m = map(int, input().split())
29 bridges = [tuple(map(int, input().split())) for _ in range(m)]
30
31 if has_valid_path(n, m, bridges):
32     print("YES")
33 else:
34     print("NO")
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Time Limit Exceeded :

- Test 4 - **Time Limit Exceeded** :
- Test 5 - **Time Limit Exceeded** :
- Test 6 - **Time Limit Exceeded** :
- Test 7 - **Time Limit Exceeded** :
- Test 8 - **Time Limit Exceeded** :
- Test 9 - **Time Limit Exceeded** :
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 12 - **Time Limit Exceeded** :
- Test 13 - **Time Limit Exceeded** :
- Test 14 - **Time Limit Exceeded** :
- Test 15 - **Time Limit Exceeded** :
- Test 16 - **Time Limit Exceeded** :
- Test 17 - **Time Limit Exceeded** :
- Test 18 - **Time Limit Exceeded** :
- Test 19 - **Time Limit Exceeded** :
- Test 20 - **Time Limit Exceeded** :
- Test 21 - **Time Limit Exceeded** :
- Test 22 - **Time Limit Exceeded** :
- Test 23 - **Time Limit Exceeded** :
- Test 24 - **Time Limit Exceeded** :
- Test 25 - **Time Limit Exceeded** :
- Test 26 - **Time Limit Exceeded** :
- Test 27 - **Time Limit Exceeded** :
- Test 28 - **Time Limit Exceeded** :
- Test 29 - **Time Limit Exceeded** :
- Test 30 - **Time Limit Exceeded** :
- Test 31 - **Time Limit Exceeded** :
- Test 32 - **Time Limit Exceeded** :
- Test 33 - **Time Limit Exceeded** :
- Test 34 - **Time Limit Exceeded** :
- Test 35 - **Time Limit Exceeded** :
- Test 36 - **Time Limit Exceeded** :
- Test 37 - **Time Limit Exceeded** :
- Test 38 - **Time Limit Exceeded** :
- Test 39 - **Time Limit Exceeded** :
- Test 40 - **Time Limit Exceeded** :
- Test 41 - **Accepted** : ok answer is NO

- Test 42 - [Time Limit Exceeded](#) :
- Test 43 - [Time Limit Exceeded](#) :
- Test 44 - [Time Limit Exceeded](#) :
- Test 45 - [Time Limit Exceeded](#) :
- Test 46 - [Time Limit Exceeded](#) :
- Test 47 - [Wrong Answer](#) : wrong answer expected YES, found NO
- Test 48 - [Wrong Answer](#) : wrong answer expected YES, found NO
- Test 49 - [Wrong Answer](#) : wrong answer expected YES, found NO

Submission 138302794

User	Time	Problem	Language	Verdict
kkiris	2023/12/5 17:03:44	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int all(int bridge[201][201], int n)
4 {
5     for (int i = 0; i < n + 1; i++)
6     {
7         for (int j = 0; j < n + 1; j++)
8         {
9             if (bridge[i][j])
10                 return 0;
11         }
12     }
13     return 1;
14 }
15 int main()
16 {
17     int n, m;
18     cin >> n >> m;
19     int bridge[201][201] = { 0 };
20     while (m--)
21     {
22         int u, v;
23         cin >> u >> v;
24         bridge[u][v] = bridge[v][u] = 1;
25     }
26     int k = 1;
27     int i = 0;
28     while (!all(bridge, n) && i != n + 1)
29     {
30         for (i = 0; i < n + 1; i++)
31         {
32             if (bridge[k][i])
33             {
34                 bridge[k][i] = bridge[i][k] = 0;
35                 k = i;
36                 break;
37             }
38         }
39     }
40     if (!all(bridge, n))
41     {
42         cout << "NO" << endl;
43         return 0;
44     }
45     cout << "YES" << endl;
```

```
46     return 0;  
47 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Wrong Answer : wrong answer expected YES, found NO
 - Test 10 - Wrong Answer : wrong answer expected YES, found NO
 - Test 11 - Wrong Answer : wrong answer expected YES, found NO
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Wrong Answer : wrong answer expected YES, found NO
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Wrong Answer : wrong answer expected YES, found NO
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Wrong Answer : wrong answer expected YES, found NO
 - Test 23 - Wrong Answer : wrong answer expected YES, found NO
 - Test 24 - Wrong Answer : wrong answer expected YES, found NO
 - Test 25 - Wrong Answer : wrong answer expected YES, found NO
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Wrong Answer : wrong answer expected YES, found NO
 - Test 28 - Wrong Answer : wrong answer expected YES, found NO
 - Test 29 - Wrong Answer : wrong answer expected YES, found NO
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO

- Test 33 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 35 - **Accepted** : ok answer is NO
- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 40 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Accepted** : ok answer is YES

Submission 138301961

User	Time	Problem	Language	Verdict
Zhaoshuyan0623	2023/12/5 16:59:58	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 def is_valid_path(graph, current_peak, visited, remaining_bridges):
2     visited[current_peak] = True
3
4     for neighbor in graph[current_peak]:
5         if not visited[neighbor]:
6             if (current_peak, neighbor) in remaining_bridges or (neighbor, current_peak) in remaining_bridges:
7                 remaining_bridges.discard((current_peak, neighbor))
8                 remaining_bridges.discard((neighbor, current_peak))
9                 if is_valid_path(graph, neighbor, visited,
10                     remaining_bridges):
11                     return True
12                     remaining_bridges.add((current_peak, neighbor))
13                     remaining_bridges.add((neighbor, current_peak))
14
15     visited[current_peak] = False
16     return False
17
18 def has_valid_path(n, m, bridges):
19     graph = {i: [] for i in range(1, n + 1)}
20     for u, v in bridges:
21         graph[u].append(v)
22         graph[v].append(u)
23
24     visited = [False] * (n + 1)
25     remaining_bridges = set(bridges)
26
27     return is_valid_path(graph, 1, visited, remaining_bridges)
28
29 # Example usage:
30 n, m = map(int, input().split())
31 bridges = [tuple(map(int, input().split())) for _ in range(m)]
32
33 if has_valid_path(n, m, bridges):
34     print("Yes")
35 else:
36     print("No")
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Time Limit Exceeded :
 - Test 5 - Time Limit Exceeded :
 - Test 6 - Time Limit Exceeded :
 - Test 7 - Time Limit Exceeded :
 - Test 8 - Time Limit Exceeded :
 - Test 9 - Time Limit Exceeded :
 - Test 10 - Time Limit Exceeded :
 - Test 11 - Wrong Answer : wrong answer expected YES, found NO
 - Test 12 - Time Limit Exceeded :
 - Test 13 - Time Limit Exceeded :
 - Test 14 - Time Limit Exceeded :
 - Test 15 - Time Limit Exceeded :
 - Test 16 - Time Limit Exceeded :
 - Test 17 - Time Limit Exceeded :
 - Test 18 - Time Limit Exceeded :
 - Test 19 - Time Limit Exceeded :
 - Test 20 - Time Limit Exceeded :
 - Test 21 - Time Limit Exceeded :
 - Test 22 - Time Limit Exceeded :
 - Test 23 - Time Limit Exceeded :
 - Test 24 - Time Limit Exceeded :
 - Test 25 - Time Limit Exceeded :
 - Test 26 - Time Limit Exceeded :
 - Test 27 - Time Limit Exceeded :
 - Test 28 - Time Limit Exceeded :
 - Test 29 - Time Limit Exceeded :
 - Test 30 - Time Limit Exceeded :
 - Test 31 - Time Limit Exceeded :
 - Test 32 - Time Limit Exceeded :
 - Test 33 - Time Limit Exceeded :
 - Test 34 - Time Limit Exceeded :
 - Test 35 - Time Limit Exceeded :

- Test 36 - [Time Limit Exceeded](#) :
- Test 37 - [Time Limit Exceeded](#) :
- Test 38 - [Time Limit Exceeded](#) :
- Test 39 - [Time Limit Exceeded](#) :
- Test 40 - [Time Limit Exceeded](#) :
- Test 41 - [Accepted](#) : ok answer is NO
- Test 42 - [Time Limit Exceeded](#) :
- Test 43 - [Time Limit Exceeded](#) :
- Test 44 - [Time Limit Exceeded](#) :
- Test 45 - [Time Limit Exceeded](#) :
- Test 46 - [Time Limit Exceeded](#) :
- Test 47 - [Wrong Answer](#) : wrong answer expected YES, found NO
- Test 48 - [Wrong Answer](#) : wrong answer expected YES, found NO
- Test 49 - [Wrong Answer](#) : wrong answer expected YES, found NO

Submission 138260820

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 10:16:35	Bridges in Liyue	Python 3	Accepted

Code

```
1 n,m =map(int,input().split())
2 A=[0]*n
3 c=0
4 for i in range(m):
5     a ,b = map(int, input().split())
6     A[a-1]+=1
7     A[b-1]+=1
8 for i in A:
9     if i%2==1:
10         c+=1
11 if c==0 or (c==2 and A[0]%2==1):
12     print("YES")
13 else:
14     print("NO")
15
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO

- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138260109

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 10:02:25	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 using namespace std;
5
6
7 bool isConnected(vector<vector<int>>& matrix) {
8     int n = matrix.size();
9     if (n == 0) return true;
10    vector<bool> visited(n, false);
11    queue<int> q;
12    q.push(0);
13    visited[0] = true;
14    int count = 1;
15    while (!q.empty()) {
16        int u = q.front();
17        q.pop();
18        for (int v = 0; v < n; v++) {
19            if (matrix[u][v] == 1 && !visited[v]) {
20                q.push(v);
21                visited[v] = true;
22                count++;
23            }
24        }
25    }
26    return count == n;
27 }
28
29 int main() {
30     int n, m;
31     cin >> n >> m;
32     vector<vector<int>> A(n, vector<int>(n, 0));
33     for (int i = 0; i < m; i++) {
34         int v, u;
35         cin >> v >> u;
36         A[v - 1][u - 1] = 1;
37         A[u - 1][v - 1] = 1;
38     }
39     bool result = isConnected(A);
40     // 输出结果
41     cout << (result ? "YES" : "NO") << endl;
42     return 0;
43 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 1 - **Accepted** : ok answer is YES
 - Test 2 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 3 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 4 - **Accepted** : ok answer is YES
 - Test 5 - **Accepted** : ok answer is YES
 - Test 6 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 7 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 8 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 9 - **Accepted** : ok answer is YES
 - Test 10 - **Accepted** : ok answer is YES
 - Test 11 - **Accepted** : ok answer is YES
 - Test 12 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 13 - **Accepted** : ok answer is YES
 - Test 14 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 15 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 16 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 17 - **Accepted** : ok answer is YES
 - Test 18 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 19 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 20 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 22 - **Accepted** : ok answer is YES
 - Test 23 - **Accepted** : ok answer is YES
 - Test 24 - **Accepted** : ok answer is YES
 - Test 25 - **Accepted** : ok answer is YES
 - Test 26 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 27 - **Accepted** : ok answer is YES
 - Test 28 - **Accepted** : ok answer is YES
 - Test 29 - **Accepted** : ok answer is YES
 - Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 33 - **Accepted** : ok answer is YES
 - Test 34 - **Accepted** : ok answer is YES
 - Test 35 - **Wrong Answer** : wrong answer expected NO, found YES

- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Wrong Answer : wrong answer expected NO, found YES
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138259872

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 09:57:48	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 int logic_or(int a, int b) {
6     if (a == 0 && b == 0) {
7         return 0;
8     } else {
9         return 1;
10    }
11 }
12
13 int main() {
14     int n, m;
15     cin >> n >> m;
16     vector<vector<int>> A(n, vector<int>(n, 0));
17     for (int i = 0; i < m; i++) {
18         A[i][i]=1;
19         int v, u;
20         cin >> v >> u;
21         A[v-1][u-1] = 1;
22         A[u-1][v-1] = 1;
23     }
24     for (int i = 0; i < n; i++) {
25         for (int j = 0; j < n; j++) {
26             if (A[j][i] == 1) {
27                 for (int k = 0; k < n; k++) {
28                     A[j][k] = logic_or(A[j][k], A[i][k]);
29                 }
30             }
31         }
32     }
33     bool connected = true;
34     for (int i = 0; i < n; i++) {
35         for (int j = 0; j < n; j++) {
36             if (A[i][j] == 0) {
37                 connected = false;
38                 break;
39             }
40         }
41     }
42     if (connected) {
43         cout << "YES" << endl;
44     } else {
45         cout << "NO" << endl;
```

```
46     }
47     return 0;
48 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Wrong Answer](#) : wrong answer expected NO, found YES
 - Test 1 - [Runtime Error](#) :
 - Test 2 - [Runtime Error](#) :
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Runtime Error](#) :
 - Test 5 - [Runtime Error](#) :
 - Test 6 - [Runtime Error](#) :
 - Test 7 - [Runtime Error](#) :
 - Test 8 - [Runtime Error](#) :
 - Test 9 - [Runtime Error](#) :
 - Test 10 - [Runtime Error](#) :
 - Test 11 - [Runtime Error](#) :
 - Test 12 - [Runtime Error](#) :
 - Test 13 - [Runtime Error](#) :
 - Test 14 - [Runtime Error](#) :
 - Test 15 - [Runtime Error](#) :
 - Test 16 - [Runtime Error](#) :
 - Test 17 - [Runtime Error](#) :
 - Test 18 - [Runtime Error](#) :
 - Test 19 - [Runtime Error](#) :
 - Test 20 - [Runtime Error](#) :
 - Test 21 - [Runtime Error](#) :
 - Test 22 - [Runtime Error](#) :
 - Test 23 - [Runtime Error](#) :
 - Test 24 - [Runtime Error](#) :
 - Test 25 - [Runtime Error](#) :
 - Test 26 - [Runtime Error](#) :
 - Test 27 - [Runtime Error](#) :
 - Test 28 - [Runtime Error](#) :
 - Test 29 - [Runtime Error](#) :
 - Test 30 - [Runtime Error](#) :
 - Test 31 - [Runtime Error](#) :
 - Test 32 - [Runtime Error](#) :

- Test 33 - [Runtime Error](#) :
- Test 34 - [Runtime Error](#) :
- Test 35 - [Runtime Error](#) :
- Test 36 - [Runtime Error](#) :
- Test 37 - [Runtime Error](#) :
- Test 38 - [Runtime Error](#) :
- Test 39 - [Runtime Error](#) :
- Test 40 - [Runtime Error](#) :
- Test 41 - [Runtime Error](#) :
- Test 42 - [Runtime Error](#) :
- Test 43 - [Runtime Error](#) :
- Test 44 - [Runtime Error](#) :
- Test 45 - [Runtime Error](#) :
- Test 46 - [Runtime Error](#) :
- Test 47 - [Accepted](#) : ok answer is YES
- Test 48 - [Accepted](#) : ok answer is YES
- Test 49 - [Accepted](#) : ok answer is YES

Submission 138259849

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 09:57:16	Bridges in Liyue	C++14(GCC 9)	Compile Error

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 int logic_or(int a, int b) {
6     if (a == 0 && b == 0) {
7         return 0;
8     } else {
9         return 1;
10    }
11}
12
13 int main() {
14     int n, m;
15     cin >> n >> m;
16     vector<vector<int>> A(n, vector<int>(n, 0));
17     for (int i = 0; i < m; i++) {
18         A[i][i]=1
19         int v, u;
20         cin >> v >> u;
21         A[v-1][u-1] = 1;
22         A[u-1][v-1] = 1;
23     }
24     for (int i = 0; i < n; i++) {
25         for (int j = 0; j < n; j++) {
26             if (A[j][i] == 1) {
27                 for (int k = 0; k < n; k++) {
28                     A[j][k] = logic_or(A[j][k], A[i][k]);
29                 }
30             }
31         }
32     }
33     bool connected = true;
34     for (int i = 0; i < n; i++) {
35         for (int j = 0; j < n; j++) {
36             if (A[i][j] == 0) {
37                 connected = false;
38                 break;
39             }
40         }
41     }
42     if (connected) {
43         cout << "YES" << endl;
44     } else {
45         cout << "NO" << endl;
```

```
46     }
47     return 0;
48 }
```

Test Detail

- Compile Error

```
1 /tmp/compiler_c2p4e0v7/src: 在函数'int main()'中:
2 /tmp/compiler_c2p4e0v7/src:18:18: 错误: expected ';' before 'int'
3 18 |         A[i][i]=1
4   |             ^
5   |             ;
6 19 |         int v, u;
7   |         ~~~
8 /tmp/compiler_c2p4e0v7/src:20:16: 错误: 'v'在此作用域中尚未声明
9 20 |         cin >> v >> u;
10  |             ^
11 /tmp/compiler_c2p4e0v7/src:20:21: 错误: 'u'在此作用域中尚未声明
12 20 |         cin >> v >> u;
13  |             ^
14
```

Submission 138259512

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 09:51:08	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 int logic_or(int a, int b) {
6     if (a == 0 && b == 0) {
7         return 0;
8     } else {
9         return 1;
10    }
11}
12
13 int main() {
14     int n, m;
15     cin >> n >> m;
16     vector<vector<int>> A(n, vector<int>(n, 0));
17     for (int i = 0; i < m; i++) {
18         int v, u;
19         cin >> v >> u;
20         A[v-1][u-1] = 1;
21         A[u-1][v-1] = 1;
22     }
23     for (int i = 0; i < n; i++) {
24         for (int j = 0; j < n; j++) {
25             if (A[j][i] == 1) {
26                 for (int k = 0; k < n; k++) {
27                     A[j][k] = logic_or(A[j][k], A[i][k]);
28                 }
29             }
30         }
31     }
32     bool connected = true;
33     for (int i = 0; i < n; i++) {
34         for (int j = 0; j < n; j++) {
35             if (A[i][j] == 0) {
36                 connected = false;
37                 break;
38             }
39         }
40     }
41     if (connected) {
42         cout << "YES" << endl;
43     } else {
44         cout << "NO" << endl;
45     }
}
```

```
46     return 0;  
47 }  
48
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer expected NO, found YES
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Wrong Answer : wrong answer expected NO, found YES
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Wrong Answer : wrong answer expected NO, found YES
 - Test 7 - Wrong Answer : wrong answer expected NO, found YES
 - Test 8 - Wrong Answer : wrong answer expected NO, found YES
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Wrong Answer : wrong answer expected NO, found YES
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Wrong Answer : wrong answer expected NO, found YES
 - Test 15 - Wrong Answer : wrong answer expected NO, found YES
 - Test 16 - Wrong Answer : wrong answer expected NO, found YES
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Wrong Answer : wrong answer expected NO, found YES
 - Test 19 - Wrong Answer : wrong answer expected NO, found YES
 - Test 20 - Wrong Answer : wrong answer expected NO, found YES
 - Test 21 - Wrong Answer : wrong answer expected NO, found YES
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Wrong Answer : wrong answer expected NO, found YES
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Wrong Answer : wrong answer expected NO, found YES
 - Test 31 - Wrong Answer : wrong answer expected NO, found YES
 - Test 32 - Wrong Answer : wrong answer expected NO, found YES

- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Wrong Answer : wrong answer expected NO, found YES
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138259287

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 09:46:55	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 n,m =map(int,input().split())
2
3 A=[[0]*n]*n
4
5 for i in range(m):
6     v,u=map(int,input().split())
7     A[v-1][u-1]=1
8     A[u-1][v-1]=1
9
10 def logic_or(a, b):
11     if a == 0 and b == 0:
12         return 0
13     else:
14         return 1
15
16 for i in range(n):
17     for j in range(n):
18         if A[j][i] == 1:
19             for k in range(n):
20                 A[j][k] = logic_or(A[j][k], A[i][k])
21 connected = True
22 for i in range(n):
23     for j in range(n):
24         if A[i][j] == 0:
25             connected = False
26             break
27 if connected:
28     print("YES")
29 else:
30     print("NO")
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer expected NO, found YES
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Wrong Answer : wrong answer expected NO, found YES
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Wrong Answer : wrong answer expected NO, found YES

- Test 7 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 8 - **Time Limit Exceeded** :
- Test 9 - **Accepted** : ok answer is YES
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Accepted** : ok answer is YES
- Test 12 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 13 - **Accepted** : ok answer is YES
- Test 14 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 15 - **Time Limit Exceeded** :
- Test 16 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 17 - **Accepted** : ok answer is YES
- Test 18 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 19 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 20 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 22 - **Accepted** : ok answer is YES
- Test 23 - **Accepted** : ok answer is YES
- Test 24 - **Time Limit Exceeded** :
- Test 25 - **Time Limit Exceeded** :
- Test 26 - **Time Limit Exceeded** :
- Test 27 - **Accepted** : ok answer is YES
- Test 28 - **Accepted** : ok answer is YES
- Test 29 - **Accepted** : ok answer is YES
- Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 33 - **Accepted** : ok answer is YES
- Test 34 - **Accepted** : ok answer is YES
- Test 35 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 36 - **Accepted** : ok answer is YES
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Time Limit Exceeded** :
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Accepted** : ok answer is YES

- Test 45 - **Time Limit Exceeded** :
- Test 46 - **Time Limit Exceeded** :
- Test 47 - **Time Limit Exceeded** :
- Test 48 - **Time Limit Exceeded** :
- Test 49 - **Accepted** : ok answer is YES

Submission 138256043

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 08:57:21	Bridges in Liyue	Python 3	Compile Error

Code

```
1 n,m =map(int,input().split())
2 A=[[0 for i in range(n)]*n]
3 for i in range(m):
4     v,u=map(int,input().split())
5     A[v-1][u-1]=1
6     A[u-1][v-1]=1
7
8 def logic_or(a, b):
9     if a == 0 and b == 0:
10         return 0
11     else:
12         return 1
13
14 for i in range(n):
15     for j in range(n):
16         if A[j][i] == 1:
17             for k in range(n):
18                 A[j][k] = logic_or(A[j][k], A[i][k])
19 connected = True
20 for i in range(n):
21     for j in range(n):
22         if A[i][j] == 0:
23             connected = False
24             break
25 if connected:
26     print("YES")
27 else:
28     print("NO")
```

Test Detail

- Compile Error

```
1 File "/tmp/compiler_dzownvgt/src", line 3
2     for i in range(m)
3             ^
4 SyntaxError: expected ':'
```

Submission 138255908

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 08:55:25	Bridges in Liyue	Python 3	Compile Error

Code

```
1 n,m =map(int,input().split())
2 g=[[0 for i in range(n)]*n]
3 for i in range(m):
4     v,u=map(int,input().split())
5     g[v-1][u-1]=1
6     g[u-1][v-1]=1
7 def logic_or(a, b):
8     if a == 0 and b == 0:
9         return 0
10    else:
11        return 1
12 A = g.copy()
13 for i in range(n):
14     for j in range(n):
15         if A[j][i] == 1:
16             for k in range(n):
17                 A[j][k] = logic_or(A[j][k], A[i][k])
18 connected = True
19 for i in range(n):
20     for j in range(n):
21         if A[i][j] == 0:
22             connected = False
23             break
24
25
26 if connected:
27     print("YES")
28 else:
29     print("NO")
```

Test Detail

- Compile Error

```
1 File "/tmp/compiler_5v7sgfzf/src", line 3
2     for i in range(m)
3             ^
4 SyntaxError: expected ':'
```

Submission 138255722

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 08:52:43	Bridges in Liyue	Python 3	Compile Error

Code

```
1 n,m =map(int,input().split())
2 g=[[0 for i in range(n)]*n]
3 j=[0]
4 for i in range(m):
5     v,u=map(int,input().split())
6     g[v-1][u-1]=1
7     g[u-1][v-1]=1
8
9 def logic_or(a, b):
10     if a == 0 and b == 0:
11         return 0
12     else:
13         return 1
14
15 A = g.copy()
16
17 # 循环n次，每次更新矩阵A
18 for i in range(n):
19     for j in range(n):
20         if A[j][i] == 1:
21             for k in range(n):
22                 A[j][k] = logic_or(A[j][k], A[i][k])
23 connected = True
24 for i in range(n):
25     for j in range(n):
26         if A[i][j] == 0:
27             connected = False
28             break
29
30
31 if connected:
32     print("YES")
33 else:
34     print("NO")
```

Test Detail

- Compile Error

```
1 SPJ compilation failed:  
2  
3     File "/tmp/compiler_v0e4b1di/src", line 4  
4         for i in range(m)  
5             ^  
6 SyntaxError: expected ':'  
7
```

Submission 138242360

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 22:36:40	Bridges in Liyue	C++17	Accepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11 int deg[400];
12 void solve()
13 {
14     int n,m;
15     cin>>n>>m;
16     for(int i=0;i<m;++i)
17     {
18         int u,v;
19         cin>>u>>v;
20         deg[u]++,deg[v]++;
21     }
22     int cnt=0;
23     for(int i=1;i<=n;++i) if(deg[i]&1) cnt++;
24     if(!cnt || cnt==2&&(deg[1]&1)) cout<<"YES\n";
25     else cout<<"NO\n";
26 }
27 int main()
28 {
29     ios::sync_with_stdio(false);
30     cin.tie(0);
31     int T=1;
32     //cin>>T;
33     while(T--)
34     {
35         solve();
36     }
37 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO
 - Test 33 - Accepted : ok answer is YES
 - Test 34 - Accepted : ok answer is YES
 - Test 35 - Accepted : ok answer is NO

- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138199286

User	Time	Problem	Language	Verdict
wnby	2023/12/4 19:28:39	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MAX_N = 10000; // 假设山峰数量不超过10000
4 int main()
5 {
6     int n, m;
7     cin >> n >> m;
8     int degree[MAX_N] = { 0 }; // 存储每个顶点的度数
9     for (int i = 0; i < m; ++i)
10    {
11        int u, v;
12        cin >> u >> v;
13        degree[u]++;
14        degree[v]++;
15    }
16    int oddCount = 0; // 记录度数为奇数的顶点数量
17    for (int i = 1; i <= n; ++i)
18    {
19        if (degree[i] % 2 != 0)
20        {
21            oddCount++;
22        }
23    }
24    if (oddCount == 0 || (oddCount == 2 && degree[1] % 2 != 0))
25    {
26        cout << "YES" << endl;
27    }
28    else
29    {
30        cout << "NO" << endl;
31    }
32    return 0;
33 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES

- Test 5 - Accepted : ok answer is YES
- Test 6 - Accepted : ok answer is NO
- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO

- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138192590

User	Time	Problem	Language	Verdict
wnby	2023/12/4 18:53:35	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int n, m;
6     cin >> n; cin >> m;
7     int a[201][201] = { 0 };
8     for (int i = 0; i < m; i++)
9     {
10         int k, p = 0;
11         cin >> k; cin >> p;
12         a[k][p] = 1;
13         a[p][k] = 1;
14     }
15     bool visited[201][201] = { 0 };
16     int b = 1;
17     int sum = 0;
18     for (int i = 0; i < m; i++)
19     {
20         for (int k = 0; k < n; k++)
21         {
22             if (a[b][k] == 1 && visited[b][k] == 0)
23             {
24                 visited[b][k] = 1;
25                 b = k;
26                 sum = sum + 1;
27                 break;
28             }
29         }
30     }
31     if (sum == m)
32     {
33         cout << "YES" << endl;
34     }
35     if (sum != m)
36     {
37         cout << "NO" << endl;
38     }
39     return 0;
40 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok answer is NO
 - Test 1 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 2 - **Accepted** : ok answer is NO
 - Test 3 - **Accepted** : ok answer is NO
 - Test 4 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 5 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 6 - **Accepted** : ok answer is NO
 - Test 7 - **Accepted** : ok answer is NO
 - Test 8 - **Accepted** : ok answer is NO
 - Test 9 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 10 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 11 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 12 - **Accepted** : ok answer is NO
 - Test 13 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 14 - **Accepted** : ok answer is NO
 - Test 15 - **Accepted** : ok answer is NO
 - Test 16 - **Accepted** : ok answer is NO
 - Test 17 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 18 - **Accepted** : ok answer is NO
 - Test 19 - **Accepted** : ok answer is NO
 - Test 20 - **Accepted** : ok answer is NO
 - Test 21 - **Accepted** : ok answer is NO
 - Test 22 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 23 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 24 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 25 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 26 - **Accepted** : ok answer is NO
 - Test 27 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 28 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 29 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 30 - **Accepted** : ok answer is NO
 - Test 31 - **Accepted** : ok answer is NO
 - Test 32 - **Accepted** : ok answer is NO
 - Test 33 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 35 - **Accepted** : ok answer is NO

- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 40 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 48 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 138188919

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 18:27:57	Bridges in Liyue	C++20	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> dgrs(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        dgrs[v1]++, dgrs[v2]++;
14    }
15    int cnt = 0;
16    for (int i = 2; i <= n; i++) {
17        cnt += dgrs[i] % 2;
18    }
19    if (cnt < 2) {
20        cout << "YES" << endl;
21    }
22    else {
23        cout << "NO" << endl;
24    }
25    return 0;
26 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES

- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES

- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138187779

User	Time	Problem	Language	Verdict
Linfinite	2023/12/4 18:19:52	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 #判断图是否连通
2 def is_connected(n, edges):
3     if not edges:
4         return n <= 1 # 只有一个顶点或没有顶点时视为连通
5     adj_list = {i: [] for i in range(1, n + 1)}
6     for u, v in edges:
7         adj_list[u].append(v)
8         adj_list[v].append(u)
9     visited = set()
10    def dfs(v):
11        visited.add(v)
12        for neighbour in adj_list[v]:
13            if neighbour not in visited:
14                dfs(neighbour)
15    dfs(1) # 从第一个顶点开始深度优先搜索
16    return len(visited) == n
17 def is_euler_path(n, m, edges):
18     degree = {i: 0 for i in range(1, n + 1)}
19     for u, v in edges:
20         degree[u] += 1
21         degree[v] += 1
22     # 检查顶点1的度数是否为奇数
23     if degree[1] % 2 == 0:
24         return False
25     # 计算除顶点1外度数为奇数的顶点数量
26     odd_degree_count = sum(1 for i, degree in degree.items() if i != 1 and
degree % 2 != 0)
27     # 检查图是否连通并且除顶点1外最多只有一个顶点度数为奇数
28     return is_connected(n, edges) and odd_degree_count <= 1
29 # 输入数据
30 n, m = map(int, input().split())
31 edges = []
32 for _ in range(m):
33     u, v = map(int, input().split())
34     edges.append((u, v))
35 # 判断是否有欧拉路径
36 result = "YES" if is_euler_path(n, m, edges) else "NO"
37 print(result)
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok answer is NO
 - Test 1 - [Accepted](#) : ok answer is YES
 - Test 2 - [Accepted](#) : ok answer is NO
 - Test 3 - [Accepted](#) : ok answer is NO
 - Test 4 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 5 - [Accepted](#) : ok answer is YES
 - Test 6 - [Accepted](#) : ok answer is NO
 - Test 7 - [Accepted](#) : ok answer is NO
 - Test 8 - [Accepted](#) : ok answer is NO
 - Test 9 - [Accepted](#) : ok answer is YES
 - Test 10 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 11 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 12 - [Accepted](#) : ok answer is NO
 - Test 13 - [Accepted](#) : ok answer is YES
 - Test 14 - [Accepted](#) : ok answer is NO
 - Test 15 - [Accepted](#) : ok answer is NO
 - Test 16 - [Accepted](#) : ok answer is NO
 - Test 17 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 18 - [Accepted](#) : ok answer is NO
 - Test 19 - [Accepted](#) : ok answer is NO
 - Test 20 - [Accepted](#) : ok answer is NO
 - Test 21 - [Accepted](#) : ok answer is NO
 - Test 22 - [Accepted](#) : ok answer is YES
 - Test 23 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 24 - [Accepted](#) : ok answer is YES
 - Test 25 - [Accepted](#) : ok answer is YES
 - Test 26 - [Accepted](#) : ok answer is NO
 - Test 27 - [Accepted](#) : ok answer is YES
 - Test 28 - [Accepted](#) : ok answer is YES
 - Test 29 - [Accepted](#) : ok answer is YES
 - Test 30 - [Accepted](#) : ok answer is NO
 - Test 31 - [Accepted](#) : ok answer is NO
 - Test 32 - [Accepted](#) : ok answer is NO
 - Test 33 - [Accepted](#) : ok answer is YES
 - Test 34 - [Wrong Answer](#) : wrong answer expected YES, found NO
 - Test 35 - [Accepted](#) : ok answer is NO

- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 138184745

User	Time	Problem	Language	Verdict
Linfinite	2023/12/4 17:53:51	Bridges in Liyue	Python 3	Unaccepted

Code

```
1 #判断是否有欧拉通路
2 def is_eular_path(n,m,edges):
3     #字典存储顶点度数
4     degree={i:0 for i in range(1,n+1)}
5     #计算每个顶点度数
6     for u,v in edges:
7         degree[u]+=1
8         degree[v]+=1
9     #计算度数为奇数的顶点度数之和
10    odd_degree_num=sum(1 for degree in degree.values() if degree%2 !=0)
11    return odd_degree_num == 2
12 #输入数据
13 n,m = map(int,input().split())
14 edges=[]
15 for _ in range(m):
16     u,v=map(int,input().split())
17     edges.append((u,v))
18 #输出结果
19 result = "YES" if is_eular_path(n,m,edges) else "NO"
20 print(result)
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Wrong Answer : wrong answer expected YES, found NO
 - Test 11 - Wrong Answer : wrong answer expected YES, found NO
 - Test 12 - Wrong Answer : wrong answer expected NO, found YES
 - Test 13 - Accepted : ok answer is YES

- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Wrong Answer : wrong answer expected YES, found NO
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Wrong Answer : wrong answer expected YES, found NO
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Wrong Answer : wrong answer expected YES, found NO
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Wrong Answer : wrong answer expected YES, found NO
- Test 45 - Accepted : ok answer is NO
- Test 46 - Wrong Answer : wrong answer expected YES, found NO
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Wrong Answer : wrong answer expected YES, found NO

Submission 138184600

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 17:52:41	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> dgrs(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        if (v1 != 1) {
14            dgrs[v1]++;
15        }
16        dgrs[v2]++;
17    }
18    dgrs[1] = n - 1;
19    int cnt = 0;
20    for (int i = 1; i < n; i++) {
21        cnt += dgrs[i] % 2;
22    }
23    if (!cnt || cnt == 2) {
24        cout << "YES" << endl;
25    }
26    else {
27        cout << "NO" << endl;
28    }
29    return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Wrong Answer : wrong answer expected YES, found NO
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Wrong Answer : wrong answer expected YES, found NO
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Wrong Answer : wrong answer expected YES, found NO
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Wrong Answer : wrong answer expected YES, found NO

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138184000

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 17:47:44	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> dgrs(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        dgrs[v1]++, dgrs[v2]++;
14        if (v1 != 1) dgrs[v2]++;
15    }
16    int cnt = 0;
17    for (int i = 1; i < n; i++) {
18        cnt += dgrs[i] % 2;
19    }
20    if (cnt <= 2) {
21        cout << "YES" << endl;
22    }
23    else {
24        cout << "NO" << endl;
25    }
26    return 0;
27 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO

- Test 9 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 10 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 11 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 12 - **Accepted** : ok answer is NO
- Test 13 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 14 - **Accepted** : ok answer is NO
- Test 15 - **Accepted** : ok answer is NO
- Test 16 - **Accepted** : ok answer is NO
- Test 17 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 18 - **Accepted** : ok answer is NO
- Test 19 - **Accepted** : ok answer is NO
- Test 20 - **Accepted** : ok answer is NO
- Test 21 - **Accepted** : ok answer is NO
- Test 22 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 23 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 24 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 25 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 26 - **Accepted** : ok answer is NO
- Test 27 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 28 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 29 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 30 - **Accepted** : ok answer is NO
- Test 31 - **Accepted** : ok answer is NO
- Test 32 - **Accepted** : ok answer is NO
- Test 33 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 35 - **Accepted** : ok answer is NO
- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 40 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO

- Test 47 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 48 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 49 - **Accepted** : ok answer is YES

Submission 138183386

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 17:43:01	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> dgrs(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        dgrs[v1]++, dgrs[v2]++;
14    }
15    if (!dgrs[1]) {
16        cout << "NO" << endl;
17        return 0;
18    }
19    int cnt = 0;
20    for (int i = 2; i < n; i++) {
21        cnt += dgrs[i] % 2;
22    }
23    if (cnt < 2) {
24        cout << "YES" << endl;
25    }
26    else {
27        cout << "NO" << endl;
28    }
29    return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138183274

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 17:42:10	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> dgrs(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        dgrs[v1]++, dgrs[v2]++;
14    }
15    if (!dgrs[1]) {
16        cout << "NO" << endl;
17        return 0;
18    }
19    int cnt = 0;
20    for (int i = 2; i < n; i++) {
21        cnt += dgrs[i] % 2;
22    }
23    if (cnt <= 2) {
24        cout << "YES" << endl;
25    }
26    else {
27        cout << "NO" << endl;
28    }
29    return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138182734

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 17:38:09	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10    vector<int> dgrs(n + 1, 0);
11    vector<vector<int>> mp(n + 1);
12    for (int i = 0; i < m; i++) {
13        int v1, v2;
14        cin >> v1 >> v2;
15        dgrs[v1]++, dgrs[v2]++;
16        mp[v1].push_back(v2), mp[v2].push_back(v1);
17    }
18    int linked = 0;
19    queue<int> q({{ 1 }});
20    vector<bool> vis(n + 1);
21    vis[1] = 1;
22    while (!q.empty()) {
23        int cur = q.front();
24        q.pop();
25        for (auto& nei : mp[cur]) {
26            if (!vis[nei]) {
27                q.push(nei);
28                linked++;
29                vis[nei] = 1;
30            }
31        }
32    }
33    if (linked != n) {
34        cout << "NO" << endl;
35        return 0;
36    }
37    int cnt = 0;
38    for (int i = 2; i < n; i++) {
39        cnt += dgrs[i] % 2;
40    }
41    if (cnt == 0 || cnt == 1) {
42        cout << "YES" << endl;
43    }
44    else {
45        cout << "NO" << endl;
```

```
46     }
47     return 0;
48 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Wrong Answer : wrong answer expected YES, found NO
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Wrong Answer : wrong answer expected YES, found NO
 - Test 10 - Wrong Answer : wrong answer expected YES, found NO
 - Test 11 - Wrong Answer : wrong answer expected YES, found NO
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Wrong Answer : wrong answer expected YES, found NO
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Wrong Answer : wrong answer expected YES, found NO
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Wrong Answer : wrong answer expected YES, found NO
 - Test 23 - Wrong Answer : wrong answer expected YES, found NO
 - Test 24 - Wrong Answer : wrong answer expected YES, found NO
 - Test 25 - Wrong Answer : wrong answer expected YES, found NO
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Wrong Answer : wrong answer expected YES, found NO
 - Test 28 - Wrong Answer : wrong answer expected YES, found NO
 - Test 29 - Wrong Answer : wrong answer expected YES, found NO
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO

- Test 33 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 35 - **Accepted** : ok answer is NO
- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 40 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 41 - **Accepted** : ok answer is NO
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Accepted** : ok answer is NO
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 48 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 49 - **Wrong Answer** : wrong answer expected YES, found NO

Submission 138175073

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 16:51:29	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int v, g;
6     cin >> v >> g;
7     int d[205] = { 0 };
8     for (int i = 0; i < g; i++)
9     {
10         int a = 0;
11         int b = 0;
12         cin >> a >> b;
13         d[a]++;
14         d[b]++;
15     }
16     int d1 = d[1];
17     int odd_degree = 0;
18     for (int i = 2; i <= v; i++)
19     {
20         if (d[i] % 2 != 0)
21             odd_degree++;
22     }
23     if ((d1 % 2 == 0) && odd_degree == 0)
24         cout << "YES" << endl;
25     else if ((d1 % 2 != 0) && odd_degree == 1)
26         cout << "YES" << endl;
27     else cout << "NO" << endl;
28 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO

- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES

- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138167848

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 15:53:41	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> dgrs(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        dgrs[v1]++, dgrs[v2]++;
14    }
15    if (!dgrs[1]) {
16        cout << "NO" << endl;
17        return 0;
18    }
19    int cnt = 0;
20    for (int i = 2; i < n; i++) {
21        cnt += dgrs[i] % 2;
22    }
23    if (cnt == 0 || cnt == 1) {
24        cout << "YES" << endl;
25    }
26    else {
27        cout << "NO" << endl;
28    }
29    return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138167299

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 15:47:21	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10    vector<int> dgrs(n + 1, 0);
11    for (int i = 0; i < m; i++) {
12        int v1, v2;
13        cin >> v1 >> v2;
14        dgrs[v1]++, dgrs[v2]++;
15    }
16    int cnt = 0;
17    for (int i = 2; i < n; i++) {
18        if (dgrs[i] % 2) cnt++;
19    }
20    if (cnt == 0 || cnt == 1) {
21        cout << "YES" << endl;
22    }
23    else {
24        cout << "NO" << endl;
25    }
26    return 0;
27 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO

- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES

- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138146891

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/4 11:59:01	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int n, m;
4 int u, v;
5 int deg[1000];
6
7 void solve(){
8     int cnt = 0;
9     for(int i = 1;i <= n;i++){
10         if(deg[i] % 2 == 1){
11             cnt++;
12         }
13     }
14     if(cnt == 2 || cnt == 0){
15         if(cnt == 0){
16             cout << "YES" << endl;
17         }
18         else{
19             if(deg[1] % 2 == 1){
20                 cout << "YES" << endl;
21             }
22             else{
23                 cout << "NO" << endl;
24             }
25         }
26     }
27     else{
28         cout << "NO" << endl;
29     }
30 }
31
32 int main(){
33     cin >> n >> m;
34     for(int i = 0;i < m;i++){
35         cin >> u >> v;
36         deg[u]++;
37         deg[v]++;
38     }
39     solve();
40     return 0;
41 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO
 - Test 33 - Accepted : ok answer is YES
 - Test 34 - Accepted : ok answer is YES
 - Test 35 - Accepted : ok answer is NO

- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138146116

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 11:42:13	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10    vector<vector<int>> mp(n + 1, { 0 });
11    for (int i = 0; i < m; i++) {
12        int v1, v2;
13        cin >> v1 >> v2;
14        mp[v1][0]++;
15        mp[v1].push_back(v2);
16        if (v1 != 1) {
17            mp[v2][0]++;
18            mp[v2].push_back(v1);
19        }
20    }
21    int firk = mp[1].size();
22    vector<vector<int>> links;
23    vector<bool> vis(n + 1);
24    for (int i = 1; i < firk; i++) {
25        queue<int> q({ mp[1][i] });
26        vector<int> link;
27        while (!q.empty()) {
28            int cur = q.front();
29            q.pop();
30            for (int i = mp[cur].size() - 1; i > 0; i--) {
31                int tmp = mp[cur][i];
32                if (!vis[tmp]) {
33                    q.push(tmp);
34                    link.push_back(tmp);
35                    vis[tmp] = 1;
36                }
37            }
38        }
39        links.push_back(link);
40    }
41    for (auto& link : links) {
42        int cnt = 0;
43        for (auto& ver : link) {
44            if (mp[ver][0] % 2) {
45                cnt++;
46            }
47        }
48        cout << cnt << endl;
49    }
50}
```

```

46         }
47     }
48     if (cnt && cnt != 2) {
49         cout << "NO" << endl;
50         return 0;
51     }
52 }
53 cout << "YES" << endl;
54 return 0;
55 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok answer is NO
 - Test 1 - **Accepted** : ok answer is YES
 - Test 2 - **Wrong Answer** : wrong answer expected NO, found YES
 - Test 3 - **Accepted** : ok answer is NO
 - Test 4 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 5 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 6 - **Accepted** : ok answer is NO
 - Test 7 - **Accepted** : ok answer is NO
 - Test 8 - **Accepted** : ok answer is NO
 - Test 9 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 10 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 11 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 12 - **Accepted** : ok answer is NO
 - Test 13 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 14 - **Accepted** : ok answer is NO
 - Test 15 - **Accepted** : ok answer is NO
 - Test 16 - **Accepted** : ok answer is NO
 - Test 17 - **Accepted** : ok answer is YES
 - Test 18 - **Accepted** : ok answer is NO
 - Test 19 - **Accepted** : ok answer is NO
 - Test 20 - **Accepted** : ok answer is NO
 - Test 21 - **Accepted** : ok answer is NO
 - Test 22 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 23 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 24 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 25 - **Wrong Answer** : wrong answer expected YES, found NO
 - Test 26 - **Accepted** : ok answer is NO
 - Test 27 - **Wrong Answer** : wrong answer expected YES, found NO

- Test 28 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 29 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 30 - **Accepted** : ok answer is NO
- Test 31 - **Accepted** : ok answer is NO
- Test 32 - **Accepted** : ok answer is NO
- Test 33 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 34 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 35 - **Accepted** : ok answer is NO
- Test 36 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 37 - **Accepted** : ok answer is NO
- Test 38 - **Accepted** : ok answer is NO
- Test 39 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 40 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Accepted** : ok answer is NO
- Test 43 - **Accepted** : ok answer is NO
- Test 44 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 45 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 46 - **Wrong Answer** : wrong answer expected YES, found NO
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Accepted** : ok answer is YES

Submission 138143355

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/4 10:56:02	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> dgrs(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        if (v1 != 1) {
14            dgrs[v1]++, dgrs[v2]++;
15        }
16    }
17    int cnt = 0;
18    for (auto& dgr : dgrs) {
19        if (dgr % 2) {
20            cnt++;
21        }
22    }
23    if (cnt % 2) {
24        cout << "NO" << endl;
25    }
26    else {
27        cout << "YES" << endl;
28    }
29    return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer expected NO, found YES
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Wrong Answer : wrong answer expected NO, found YES
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Wrong Answer : wrong answer expected NO, found YES

- Test 7 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 8 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 9 - **Accepted** : ok answer is YES
- Test 10 - **Accepted** : ok answer is YES
- Test 11 - **Accepted** : ok answer is YES
- Test 12 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 13 - **Accepted** : ok answer is YES
- Test 14 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 15 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 16 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 17 - **Accepted** : ok answer is YES
- Test 18 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 19 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 20 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 21 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 22 - **Accepted** : ok answer is YES
- Test 23 - **Accepted** : ok answer is YES
- Test 24 - **Accepted** : ok answer is YES
- Test 25 - **Accepted** : ok answer is YES
- Test 26 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 27 - **Accepted** : ok answer is YES
- Test 28 - **Accepted** : ok answer is YES
- Test 29 - **Accepted** : ok answer is YES
- Test 30 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 31 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 32 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 33 - **Accepted** : ok answer is YES
- Test 34 - **Accepted** : ok answer is YES
- Test 35 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 36 - **Accepted** : ok answer is YES
- Test 37 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 38 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 39 - **Accepted** : ok answer is YES
- Test 40 - **Accepted** : ok answer is YES
- Test 41 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 42 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 43 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 44 - **Accepted** : ok answer is YES

- Test 45 - **Wrong Answer** : wrong answer expected NO, found YES
- Test 46 - **Accepted** : ok answer is YES
- Test 47 - **Accepted** : ok answer is YES
- Test 48 - **Accepted** : ok answer is YES
- Test 49 - **Accepted** : ok answer is YES

Submission 138143181

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 10:53:11	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 const int maxn = 100005;
11 const int inf = 0xffffffff;
12 int n, m;
13 vector<int>g[maxn];
14 int main() {
15     int c;
16     ios::sync_with_stdio(false);
17     cin.tie(0);
18     cin >> n >> m;
19     int tmp1, tmp2;
20     for (int i = 0; i < m; i++) {
21         cin >> tmp1 >> tmp2;
22         g[tmp1].push_back(tmp2);
23         g[tmp2].push_back(tmp1);
24     }
25     int num = 0;
26     for (int i = 1; i <= n; i++) {
27         if (g[i].size() % 2 == 1)num++;
28     }
29     if (num == 0 || (num == 2&& g[1].size()%2==1))cout << "Yes" << endl;
30     else cout << "No" << endl;
31 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO

- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES

- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138142458

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 10:40:24	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10
11     vector<int> degree(n + 1, 0);
12     for (int i = 0; i < m; i++) {
13         int u, v;
14         cin >> u >> v;
15         degree[u]++;
16         degree[v]++;
17     }
18
19     int odd = 0;
20     for (int i = 1; i <= n; i++) {
21         if (degree[i] % 2 == 1) {
22             odd++;
23         }
24     }
25
26     if (odd == 0 || (odd == 2 && degree[1] % 2 == 1)) {
27         cout << "YES" << endl;
28     } else {
29         cout << "NO" << endl;
30     }
31
32     return 0;
33 }
34
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO

- Test 4 - Accepted : ok answer is YES
- Test 5 - Accepted : ok answer is YES
- Test 6 - Accepted : ok answer is NO
- Test 7 - Accepted : ok answer is NO
- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO

- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138124724

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/3 22:09:18	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> degrees(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        degrees[v1]++, degrees[v2]++;
14    }
15    if (!degrees[1]) {
16        cout << "NO" << endl;
17        return 0;
18    }
19    int cnt = 0;
20    for (auto& degree : degrees) {
21        if (degree % 2) cnt++;
22    }
23    if (cnt == 0 || cnt == 2) {
24        cout << "YES" << endl;
25    } else {
26        cout << "NO" << endl;
27    }
28    return 0;
29 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO

- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO

- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138122592

User	Time	Problem	Language	Verdict
kyrt_404	2023/12/3 21:54:50	Bridges in Liyue	C++20	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> degrees(n + 1, 0);
10    for (int i = 0; i < m; i++) {
11        int v1, v2;
12        cin >> v1 >> v2;
13        degrees[v1]++, degrees[v2]++;
14    }
15    int cnt = 0;
16    for (auto& degree : degrees) {
17        if (degree % 2) cnt++;
18    }
19    if (cnt == 0 || cnt == 2) {
20        cout << "YES" << endl;
21    } else {
22        cout << "NO" << endl;
23    }
24    return 0;
25 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Wrong Answer : wrong answer expected NO, found YES
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES

- Test 11 - Accepted : ok answer is YES
- Test 12 - Wrong Answer : wrong answer expected NO, found YES
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Wrong Answer : wrong answer expected NO, found YES
- Test 20 - Wrong Answer : wrong answer expected NO, found YES
- Test 21 - Wrong Answer : wrong answer expected NO, found YES
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Wrong Answer : wrong answer expected NO, found YES
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Wrong Answer : wrong answer expected NO, found YES
- Test 31 - Wrong Answer : wrong answer expected NO, found YES
- Test 32 - Wrong Answer : wrong answer expected NO, found YES
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Wrong Answer : wrong answer expected NO, found YES
- Test 36 - Accepted : ok answer is YES
- Test 37 - Wrong Answer : wrong answer expected NO, found YES
- Test 38 - Wrong Answer : wrong answer expected NO, found YES
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Wrong Answer : wrong answer expected NO, found YES
- Test 42 - Wrong Answer : wrong answer expected NO, found YES
- Test 43 - Wrong Answer : wrong answer expected NO, found YES
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES

- o Test 49 - Accepted : ok answer is YES

Submission 138118965

User	Time	Problem	Language	Verdict
a_fly_fish	2023/12/3 21:31:27	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 using namespace std;
3
4
5 int graph[201][201];
6
7 int main()
8 {
9     int n, m;
10    cin >> n >> m;
11    for (int i = 0; i < m; i++)
12    {
13        int u, v;
14        cin >> u >> v;
15        graph[u][v] = 1;
16        graph[v][u] = 1;
17    }
18    int count = 0;
19    for (int i = 1; i <= n; i++)
20    {
21        int sum = 0;
22        for (int j = 1; j <= n; j++)
23        {
24            sum += graph[i][j];
25        }
26        if (sum % 2 == 1)
27        {
28            count++;
29        }
30    }
31    if (count == 0)
32        cout << "YES";
33    else if (count == 2)
34    {
35        int sum = 0;
36        for (int i = 1; i <= n; i++)
37        {
38            sum += graph[1][i];
39        }
40        if (sum % 2 == 1)
41            cout << "YES";
42        else
43            cout << "NO";
44    }
45 }
```

```
46     cout << "NO";
47     return 0;
48 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES
 - Test 18 - Accepted : ok answer is NO
 - Test 19 - Accepted : ok answer is NO
 - Test 20 - Accepted : ok answer is NO
 - Test 21 - Accepted : ok answer is NO
 - Test 22 - Accepted : ok answer is YES
 - Test 23 - Accepted : ok answer is YES
 - Test 24 - Accepted : ok answer is YES
 - Test 25 - Accepted : ok answer is YES
 - Test 26 - Accepted : ok answer is NO
 - Test 27 - Accepted : ok answer is YES
 - Test 28 - Accepted : ok answer is YES
 - Test 29 - Accepted : ok answer is YES
 - Test 30 - Accepted : ok answer is NO
 - Test 31 - Accepted : ok answer is NO
 - Test 32 - Accepted : ok answer is NO

- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138111800

User	Time	Problem	Language	Verdict
asdf46	2023/12/3 20:54:02	Bridges in Liyue	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int main(){
4     int n,m,a,b,sum=0;
5     bool k[202]={0};
6     cin>>n>>m;
7     m=m*2;
8     while(m--){
9         cin>>a;
10        if(k[a]==0) k[a]=1,sum++;
11        else k[a]=0,sum--;
12    }
13    if(sum==0) cout<<"YES";
14    else if(sum==2&&k[a]==1) cout<<"YES";
15    else cout<<"NO";
16 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Wrong Answer : wrong answer expected YES, found NO
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Wrong Answer : wrong answer expected YES, found NO
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Wrong Answer : wrong answer expected YES, found NO
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Wrong Answer : wrong answer expected YES, found NO
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO

- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Wrong Answer : wrong answer expected YES, found NO
- Test 23 - Accepted : ok answer is YES
- Test 24 - Wrong Answer : wrong answer expected YES, found NO
- Test 25 - Wrong Answer : wrong answer expected YES, found NO
- Test 26 - Accepted : ok answer is NO
- Test 27 - Wrong Answer : wrong answer expected YES, found NO
- Test 28 - Wrong Answer : wrong answer expected YES, found NO
- Test 29 - Wrong Answer : wrong answer expected YES, found NO
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Wrong Answer : wrong answer expected YES, found NO
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Wrong Answer : wrong answer expected YES, found NO
- Test 40 - Wrong Answer : wrong answer expected YES, found NO
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Wrong Answer : wrong answer expected YES, found NO
- Test 48 - Wrong Answer : wrong answer expected YES, found NO
- Test 49 - Accepted : ok answer is YES

Submission 138105685

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/3 20:25:32	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 int main() {
7     int n, m;
8     cin >> n >> m;
9     vector<int> degree(n + 1, 0);
10    for (int i = 0; i < m; ++i) {
11        int u, v;
12        cin >> u >> v;
13        degree[u]++;
14        degree[v]++;
15    }
16    int odd = 0;
17    for (int i = 1; i <= n; ++i) {
18        if (degree[i] % 2 == 1) {
19            odd++;
20        }
21    }
22    if (degree[1] % 2 == 1 && odd == 2 || odd == 0) {
23        cout << "YES" << endl;
24    } else {
25        cout << "NO" << endl;
26    }
27    return 0;
28 }
29 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO

- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO

- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 138093149

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 19:30:10	Bridges in Liyue	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 int d[201];
4 int main(){
5     int n,m;cin>>n>>m;
6     for(int i=1;i<=m;i++){
7         int u,v;cin>>u>>v;
8         d[u]++;d[v]++;
9     }
10    int sum=0;
11    for(int i=1;i<=n;i++)if(d[i]&1)sum++;
12    if((sum==2&&d[1]%2==1)||sum==0)cout<<"YES\n";
13    else cout<<"NO\n";
14 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES
 - Test 11 - Accepted : ok answer is YES
 - Test 12 - Accepted : ok answer is NO
 - Test 13 - Accepted : ok answer is YES
 - Test 14 - Accepted : ok answer is NO
 - Test 15 - Accepted : ok answer is NO
 - Test 16 - Accepted : ok answer is NO
 - Test 17 - Accepted : ok answer is YES

- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

Submission 137793215

User	Time	Problem	Language	Verdict
HuTao29	2023/12/2 11:09:53	Bridges in Liyue	C	Accepted

Code

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main() {
5     int n, m;
6     scanf("%d %d", &n, &m);
7     int degree[n + 1];
8     memset(degree, 0, sizeof(degree));
9     for (int i = 0; i < m; ++i) {
10         int u, v;
11         scanf("%d %d", &u, &v);
12         ++degree[u];
13         ++degree[v];
14     }
15     for (int i = 2, odd = 0; i <= n; ++i) {
16         if (degree[i] % 2 == 1) {
17             if (++odd > 1) {
18                 printf("NO\n");
19                 return 0;
20             }
21         }
22     }
23     printf("YES\n");
24     return 0;
25 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO
 - Test 8 - Accepted : ok answer is NO
 - Test 9 - Accepted : ok answer is YES
 - Test 10 - Accepted : ok answer is YES

- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO
- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES

- o Test 49 - Accepted : ok answer is YES

Submission 137783960

User	Time	Problem	Language	Verdict
HuTao29	2023/12/2 10:35:01	Bridges in Liyue	C	Accepted

Code

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main() {
5     int n, m;
6     scanf("%d %d", &n, &m);
7     int degree[n + 1];
8     memset(degree, 0, sizeof(degree));
9     for (int i = 0; i < m; ++i) {
10         int u, v;
11         scanf("%d %d", &u, &v);
12         ++degree[u];
13         ++degree[v];
14     }
15     int odd = 0;
16     for (int i = 2; i <= n; ++i) {
17         if (degree[i] % 2 == 1) {
18             ++odd;
19         }
20     }
21     if (degree[1] % 2 == 1 && odd == 1) {
22         printf("YES\n");
23     } else if (degree[1] % 2 == 0 && odd == 0) {
24         printf("YES\n");
25     } else {
26         printf("NO\n");
27     }
28     return 0;
29 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok answer is NO
 - Test 1 - Accepted : ok answer is YES
 - Test 2 - Accepted : ok answer is NO
 - Test 3 - Accepted : ok answer is NO
 - Test 4 - Accepted : ok answer is YES
 - Test 5 - Accepted : ok answer is YES
 - Test 6 - Accepted : ok answer is NO
 - Test 7 - Accepted : ok answer is NO

- Test 8 - Accepted : ok answer is NO
- Test 9 - Accepted : ok answer is YES
- Test 10 - Accepted : ok answer is YES
- Test 11 - Accepted : ok answer is YES
- Test 12 - Accepted : ok answer is NO
- Test 13 - Accepted : ok answer is YES
- Test 14 - Accepted : ok answer is NO
- Test 15 - Accepted : ok answer is NO
- Test 16 - Accepted : ok answer is NO
- Test 17 - Accepted : ok answer is YES
- Test 18 - Accepted : ok answer is NO
- Test 19 - Accepted : ok answer is NO
- Test 20 - Accepted : ok answer is NO
- Test 21 - Accepted : ok answer is NO
- Test 22 - Accepted : ok answer is YES
- Test 23 - Accepted : ok answer is YES
- Test 24 - Accepted : ok answer is YES
- Test 25 - Accepted : ok answer is YES
- Test 26 - Accepted : ok answer is NO
- Test 27 - Accepted : ok answer is YES
- Test 28 - Accepted : ok answer is YES
- Test 29 - Accepted : ok answer is YES
- Test 30 - Accepted : ok answer is NO
- Test 31 - Accepted : ok answer is NO
- Test 32 - Accepted : ok answer is NO
- Test 33 - Accepted : ok answer is YES
- Test 34 - Accepted : ok answer is YES
- Test 35 - Accepted : ok answer is NO
- Test 36 - Accepted : ok answer is YES
- Test 37 - Accepted : ok answer is NO
- Test 38 - Accepted : ok answer is NO
- Test 39 - Accepted : ok answer is YES
- Test 40 - Accepted : ok answer is YES
- Test 41 - Accepted : ok answer is NO
- Test 42 - Accepted : ok answer is NO
- Test 43 - Accepted : ok answer is NO
- Test 44 - Accepted : ok answer is YES
- Test 45 - Accepted : ok answer is NO

- Test 46 - Accepted : ok answer is YES
- Test 47 - Accepted : ok answer is YES
- Test 48 - Accepted : ok answer is YES
- Test 49 - Accepted : ok answer is YES

B. Prophecy of Fontaine

Submission Summary:

- Accepted: 16
- Tried: 107

Submission 139332833

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/12 18:18:16	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1  from decimal import Decimal, getcontext
2
3  def binary_search(low, high, k, precision):
4      getcontext().prec = precision
5      while low <= high:
6          mid = (low + high) / Decimal(2)
7          print("?", {:.15f}.format(mid))
8          result = Decimal(input())
9          if result == k:
10              print("! {:.15f}".format(mid))
11              return
12          elif result < k:
13              low = mid + Decimal("1e-15")
14          else:
15              high = mid - Decimal("1e-15")
16
17 def main():
18     # Input the value of k
19     k = Decimal(input())
20
21     # Set the desired precision (adjust as needed)
22     precision = 30
23
24     # Perform binary search to find the root of f(t) = k
25     binary_search(Decimal(0), Decimal(100), k, precision)
26
27 if __name__ == "__main__":
28     main()
29
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 6 - Wrong Answer : wrong output format Unexpected end of file - token expected

- Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35 in 56 interactions

Submission 139332490

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/12 18:15:43	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1  from decimal import Decimal, getcontext
2
3  def binary_search(low, high, k):
4      precision = Decimal("1e-15")
5      getcontext().prec = 30 # Set precision for Decimal calculations
6
7      while low <= high:
8          mid = (low + high) / 2
9          print("?", {:.15f}.format(mid))
10         try:
11             result = Decimal(input())
12         except ValueError:
13             print("Invalid input. Please enter a valid floating-point
number.")
14         return
15
16         if result == k:
17             print("!", {:.15f}.format(mid))
18             return
19         elif result < k:
20             low = mid + precision
21         else:
22             high = mid - precision
23
24 # Input the value of k
25 try:
26     k = Decimal(input())
27 except ValueError:
28     exit()
29
30 # Perform binary search to find the root of f(t) = k
31 binary_search(Decimal("0.0"), Decimal("100.0"), k)
32
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected

- Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35 in 56 interactions

Submission 139332068

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/12 18:12:53	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3 def query(t):
4     print(f"? {t}")
5     sys.stdout.flush()
6     return float(input().strip())
7
8 def find_root(k):
9     # 使用牛顿法查找根
10    x = 50 # 初始猜测值，可以根据实际情况调整
11
12    while True:
13        f_x = query(x)
14        f_prime_x = (query(x + 1e-8) - f_x) / 1e-8 # 数值导数
15
16        if abs(f_x - k) < 1e-5:
17            return x
18        elif f_x < k:
19            x -= (f_x - k) / f_prime_x
20        else:
21            x += (f_x - k) / f_prime_x
22
23 def main():
24     # 读取最小体型k
25     k = float(input().strip())
26
27     # 使用牛顿法查找根
28     root = find_root(k)
29
30     # 输出根
31     print(f"! {root:.6f}")
32     sys.stdout.flush()
33
34 if __name__ == "__main__":
35     main()
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Runtime Error : wrong output format Unexpected end of file - token expected
 - Test 1 - Accepted : ok Participant answered 128.12576 in 17 interactions

- Test 2 - **Runtime Error** : wrong output format Unexpected end of file - token expected
- Test 3 - **Runtime Error** : wrong output format Unexpected end of file - token expected
- Test 4 - **Accepted** : ok Participant answered 200.785509 in 25 interactions
- Test 5 - **Runtime Error** : wrong output format Unexpected end of file - token expected
- Test 6 - **Accepted** : ok Participant answered 66.383855 in 7 interactions
- Test 7 - **Accepted** : ok Participant answered 205.630776 in 57 interactions
- Test 8 - **Runtime Error** : wrong output format Unexpected end of file - token expected
- Test 9 - **Runtime Error** : wrong output format Unexpected end of file - token expected

Submission 139263957

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:31:49	Prophecy of Fontaine	Python 3	Accepted

Code

```
1 import sys
2
3 # Function to query the judge program
4 def query(t):
5     print(f"? {t}")
6     sys.stdout.flush()
7     response = float(input()) # Read judge's response
8     return response
9
10 # Function to find the root using binary search
11 def find_root(k):
12     epsilon = 1e-4 # Acceptable error
13     left, right = 0, 100
14
15     while right - left > epsilon:
16         mid = (left + right) / 2
17         f_mid = query(mid)
18
19         if f_mid < k:
20             left = mid
21         else:
22             right = mid
23
24     return (left + right) / 2
25
26 # Read the minimum size that causes the Primordial Sea to leak
27 k = float(input())
28
29 # Find and output the root
30 root = find_root(k)
31 print(f"! {root}")
32 sys.stdout.flush()
33
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.71070671081543 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.852651596069336 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.06335258483887 in 21 interactions
 - Test 3 - Accepted : ok Participant answered 87.38799095153809 in 21 interactions
 - Test 4 - Accepted : ok Participant answered 9.344625473022461 in 21 interactions

- Test 5 - Accepted : ok Participant answered 33.104562759399414 in 21 interactions
- Test 6 - Accepted : ok Participant answered 66.38388633728027 in 21 interactions
- Test 7 - Accepted : ok Participant answered 19.820642471313477 in 21 interactions
- Test 8 - Accepted : ok Participant answered 85.11738777160645 in 21 interactions
- Test 9 - Accepted : ok Participant answered 34.999990463256836 in 21 interactions

Submission 139230037

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:48:23	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (1) {
11        double mid = (l + r) / 2;
12        printf("? %.7lf\n", mid);
13        fflush(stdout);
14        double val;
15        scanf("%lf", &val);
16        if (abs(k - val) < EPS) {
17            printf("! %.7lf\n", mid);
18            fflush(stdout);
19            return 0;
20        }
21        if (val >= k + EPS)
22            r = mid;
23        else if (val <= k - EPS)
24            l = mid;
25    }
26    return 0;
27 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.710659 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526039 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634003 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.3880386 in 20 interactions
 - Test 4 - Accepted : ok Participant answered 9.3445778 in 21 interactions
 - Test 5 - Accepted : ok Participant answered 33.1045151 in 20 interactions
 - Test 6 - Accepted : ok Participant answered 66.383934 in 20 interactions
 - Test 7 - Accepted : ok Participant answered 19.8206902 in 21 interactions

- Test 8 - Accepted : ok Participant answered 85.1173401 in 18 interactions
- Test 9 - Accepted : ok Participant answered 35.0000381 in 20 interactions

Submission 139229304

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:45:24	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (1) {
11        double mid = (l + r) / 2;
12        printf("? %.4lf\n", mid);
13        fflush(stdout);
14        double val;
15        scanf("%lf", &val);
16        if(abs(k-val) < EPS) {
17            printf("! %.4lf\n", mid);
18            fflush(stdout);
19            return 0;
20        }
21        if (val >= k + EPS)
22            r = mid;
23        else if (val <= k - EPS)
24            l = mid;
25    }
26    return 0;
27 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
 - Test 4 - Time Limit Exceeded : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3151, memory=4841472, exit_code=0,
signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions

- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 139228884

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:43:31	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (1) {
11        double mid = (l + r) / 2;
12        printf("? %.4lf\n", mid);
13        fflush(stdout);
14        double val;
15        scanf("%lf", &val);
16        if(abs(k-val) < EPS) {
17            printf("! %.4lf\n", mid);
18            fflush(stdout);
19            return 0;
20        }
21        if (val > k + EPS)
22            r = mid;
23        else if (val < k - EPS)
24            l = mid;
25    }
26    return 0;
27 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
 - Test 4 - Time Limit Exceeded : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3360, memory=5632000, exit_code=0,
signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions

- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 139227103

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:35:46	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (1) {
11        double mid = (l + r) / 2;
12        printf("? %.4lf\n", mid);
13        fflush(stdout);
14        double val;
15        scanf("%lf", &val);
16        if (val > k + EPS)
17            r = mid;
18        else if (val < k - EPS)
19            l = mid;
20        else {
21            printf("! %.4lf\n", mid);
22            fflush(stdout);
23            return 0;
24        }
25    }
26    return 0;
27 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
 - Test 4 - Time Limit Exceeded : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3513, memory=5779456, exit_code=0,
signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions

- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 139226793

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:34:18	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (i <= 100) {
11        double mid = (l + r) / 2;
12        printf("? %.4lf\n", mid);
13        fflush(stdout);
14        double val;
15        scanf("%lf", &val);
16        if (val > k + EPS)
17            r = mid;
18        else if (val < k - EPS)
19            l = mid;
20        else {
21            printf("! %.4lf\n", mid);
22            fflush(stdout);
23            return 0;
24        }
25        i++;
26    }
27    return 0;
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
 - Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
 - Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions

- Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35 in 20 interactions

Submission 139222771

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:13:54	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (i <= 100) {
11        double mid = (l + r) / 2;
12        printf("? %.4lf\n", mid);
13        fflush(stdout);
14        double val;
15        scanf("%lf", &val);
16        if (val > k)
17            r = mid;
18        else if (val < k)
19            l = mid;
20        else {
21            printf("! %.10lf\n", mid);
22            fflush(stdout);
23            return 0;
24        }
25        i++;
26    }
27    return 0;
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 6 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 7 - Wrong Answer : wrong output format Unexpected end of file - token expected

- Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35.000038147 in 20 interactions

Submission 139221759

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:08:32	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (i < 100) {
11        double mid = (l + r) / 2;
12        printf("?.%.4lf\n", mid);
13        fflush(stdout);
14        double val;
15        scanf("%lf", &val);
16        if (val > k)
17            r = mid;
18        else if (val < k)
19            l = mid;
20        else {
21            printf("! %.10lf\n", mid);
22            return 0;
23            i++;
24        }
25    }
26    return 0;
27 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 3 - Time Limit Exceeded : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3790, memory=6561792, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)

- Test 4 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3947, memory=5128192, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3728, memory=6168576, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35.000038147 in 20 interactions

Submission 139220803

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 19:02:37	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<bits/stdc++.h>
3 using namespace std;
4 const double EPS = 1e-4;
5 int main() {
6     double k;
7     scanf("%lf", &k);
8     double l = 0.0, r = 100.0;
9     int i = 1;
10    while (i < 100) {
11        double mid = (l + r) / 2;
12        printf("? %.4lf\n", mid);
13        double val;
14        scanf("%lf", &val);
15        if (val > k)
16            r = mid;
17        else if (val < k)
18            l = mid;
19        else {
20            printf("! %.10lf\n", mid);
21            return 0;
22            i++;
23        }
24    }
25    return 0;
26 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 3 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 4 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 139214128

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/11 18:08:01	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 def binary_search(low, high, k):
2     while low <= high:
3         mid = (low + high) / 2
4         print("?", {:.15f}.format(mid))
5         result = float(input())
6         if result == k:
7             print("! {:.15f}".format(mid))
8             return
9         elif result < k:
10            low = mid + 1e-15
11        else:
12            high = mid - 1e-15
13
14 # Input the value of k
15 k = float(input())
16
17 # Perform binary search to find the root of f(t) = k
18 binary_search(0.0, 100.0, k)
19
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Accepted : ok Participant answered 30.852621144120164 in 55 interactions
 - Test 2 - Accepted : ok Participant answered 95.063364908494123 in 51 interactions
 - Test 3 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Accepted : ok Participant answered 33.104531067392287 in 54 interactions
 - Test 6 - Accepted : ok Participant answered 66.383855245826155 in 54 interactions
 - Test 7 - Accepted : ok Participant answered 19.820669246935651 in 54 interactions
 - Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 9 - Accepted : ok Participant answered 35 in 54 interactions

Submission 139166891

User	Time	Problem	Language	Verdict
Preacher_26	2023/12/11 02:31:25	Prophecy of Fontaine	Python 3	Accepted

Code

```
1 import sys
2
3 k = float(input())
4 l, r, m = 0.0, 100.0, 50.0
5
6 for _ in range(150):
7     print(f'? {m}')
8     sys.stdout.flush()
9     f = float(input())
10    if abs(f - k) <= 1e-4:
11        print(f'! {m}')
12        break
13    elif f > k:
14        r = m
15        m = (l + r) / 2
16    elif f < k:
17        l = m
18        m = (l + r) / 2
19
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.71065902709961 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.852603912353516 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.06340026855469 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.3880386352539 in 20 interactions
 - Test 4 - Accepted : ok Participant answered 9.34457778930664 in 21 interactions
 - Test 5 - Accepted : ok Participant answered 33.104515075683594 in 20 interactions
 - Test 6 - Accepted : ok Participant answered 66.3839340209961 in 20 interactions
 - Test 7 - Accepted : ok Participant answered 19.820690155029297 in 21 interactions
 - Test 8 - Accepted : ok Participant answered 85.11734008789062 in 18 interactions
 - Test 9 - Accepted : ok Participant answered 35.000038146972656 in 20 interactions

Submission 139166853

User	Time	Problem	Language	Verdict
Preacher_26	2023/12/11 02:17:45	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3 k = float(input())
4 l, r, m = 0.0, 100.0, 50.0
5
6 for _ in range(150):
7     print(f'? {m}')
8     sys.stdout.flush()
9     f = float(input())
10    if f - k <= 1e-4:
11        print(f'! {m}')
12        break
13    elif f > k:
14        r, m = m, (l + r) / 2
15    elif f < k:
16        l, m = m, (l + r) / 2
17
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor
 - Test 1 - Wrong Answer : wrong answer Participant answered 25, rejected by interactor
 - Test 2 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor
 - Test 3 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor
 - Test 4 - Wrong Answer : wrong answer Participant answered 6.25, rejected by interactor
 - Test 5 - Wrong Answer : wrong answer Participant answered 25, rejected by interactor
 - Test 6 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor
 - Test 7 - Wrong Answer : wrong answer Participant answered 12.5, rejected by interactor
 - Test 8 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor
 - Test 9 - Wrong Answer : wrong answer Participant answered 25, rejected by interactor

Submission 139120303

User	Time	Problem	Language	Verdict
Preacher_26	2023/12/10 19:11:36	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <stdio.h>
2 #include <iostream>
3 using namespace std;
4
5 int main()
6 {
7     double k;
8     cin >> k; fflush(stdout);
9     double l = 0, r = 100, m = 61.8;
10    for (int i = 0; i < 100; i++)
11    {
12        cout<<"? "<<m;fflush(stdout);
13        double temp;
14        cin >> temp; fflush(stdout);
15        if (temp - k < 0.0001)
16        {
17            cout<<"! "<< m<<endl;
18            break;
19        }
20        if (temp > k)
21        {
22            r = m; m = 0.382*l + 0.618*r;
23        }
24        else
25        {
26            l = m; m = 0.382*l + 0.618*r;
27        }
28    }
29
30
31
32    return 0;
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 4 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138859619

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 14:45:44	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int main()
5 {
6     long double taget_number;
7     cin >> taget_number;
8     long double front = 0;
9     long double end = 100;
10    long double medium = 0;
11    long double return_number =10000;
12    while (1)
13    {
14
15        if (abs(return_number - taget_number) <= 0.0001)
16        {
17            cout << "!" << medium << endl;
18            break;
19        }
20        medium = (front + end) / 2.0;
21        cout << "?" << medium << endl;
22        cin>>return_number;
23        if (return_number < taget_number)
24        {
25            front = medium;
26        }
27        else if (return_number > taget_number)
28        {
29            end = medium;
30        }
31    }
32 }
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions

- Test 4 - Accepted : ok Participant answered 9.34458 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 138831083

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:43:38	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3 def sqrt_newton(n):
4     x = n # 选择初始值为 n, 也可以选择其他值
5     epsilon = 1e-4 # 设置迭代的精度
6
7     while True:
8         root = 0.5 * (x + n / x) # 牛顿迭代公式
9         if abs(root - x) < epsilon: # 如果迭代精度满足要求, 停止迭代
10             break
11         x = root # 更新迭代值
12
13     return root
14
15
16
17 def interpolation_search(target):
18     result = sqrt_newton(target * 100)
19     low, high = result - 1, result + 1
20     max_iterations = 100
21     for _ in range(max_iterations):
22         mid = low + (target - low) * (high - low) / (1000 - low) # 进行插值
23         print(f'? {mid}') # 发送查询请求至裁判程序
24         sys.stdout.flush()
25         response = float(input()) # 读取裁判程序的回应
26         if abs(response - target) / target <= 1e-4: # 如果回应接近给定的目标值
27             print(f'! {mid}') # 发送答案给裁判程序并结束程序
28             return
29         elif response < target: # 如果回应小于给定的目标值
30             low = mid + 1e-9
31         else: # 如果回应大于给定的目标值
32             high = mid - 1e-9
33
34
35 # 输入导致原始海水泄漏的最小尺寸
36 k = float(input())
37
38 # 开始使用插值法搜索根
39 interpolation_search(k)
40
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138830646

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:38:53	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def sqrt_newton(n):
5     x = n # 选择初始值为 n, 也可以选择其他值
6     epsilon = 1 # 设置迭代的精度
7
8     while True:
9         root = 0.5 * (x + n / x) # 牛顿迭代公式
10        if abs(root - x) < epsilon: # 如果迭代精度满足要求, 停止迭代
11            break
12        x = root # 更新迭代值
13
14    return root
15
16
17 def interpolation_search(target):
18     result = sqrt_newton(target * 100)
19     low, high = result - 1, result + 1
20     max_iterations = 100
21     for _ in range(max_iterations):
22         mid = low + (target - low) * (high - low) / (1000 - low) # 进行插值
23         print(f'? {mid}') # 发送查询请求至裁判程序
24         sys.stdout.flush()
25         response = float(input()) # 读取裁判程序的回应
26         if abs(response - target) / target <= 1e-4: # 如果回应接近给定的目标值
27             print(f'! {mid}') # 发送答案给裁判程序并结束程序
28             return
29         elif response < target: # 如果回应小于给定的目标值
30             low = mid + 1e-4
31         else: # 如果回应大于给定的目标值
32             high = mid - 1e-4
33
34
35 # 输入导致原始海水泄漏的最小尺寸
36 k = float(input())
37
38 # 开始使用插值法搜索根
39 interpolation_search(k)
40
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138830172

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:34:33	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def interpolation_search(target):
5     low, high = 0.0, 100.0
6     max_iterations = 100
7     for _ in range(max_iterations):
8         mid = low + (target - low) * (high - low) / (1000 - low) # 进行插值
9         print(f'? {mid}') # 发送查询请求至裁判程序
10        sys.stdout.flush()
11        response = float(input()) # 读取裁判程序的回应
12        if abs(response - target) / target <= 1e-4: # 如果回应接近给定的目标值
13            print(f'! {mid}') # 发送答案给裁判程序并结束程序
14            return
15        elif response < target: # 如果回应小于给定的目标值
16            low = mid + 1e-4
17        else: # 如果回应大于给定的目标值
18            high = mid - 1e-4
19
20
21 # 输入导致原始海水泄漏的最小尺寸
22 k = float(input())
23
24 # 开始使用插值法搜索根
25 interpolation_search(k)
26
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Accepted : ok Participant answered 30.848456914254072 in 46 interactions
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Accepted : ok Participant answered 9.344016158901892 in 45 interactions
 - Test 5 - Accepted : ok Participant answered 33.10763453800716 in 71 interactions
 - Test 6 - Accepted : ok Participant answered 66.37837860562374 in 93 interactions
 - Test 7 - Accepted : ok Participant answered 19.819705896312747 in 25 interactions
 - Test 8 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 9 - Accepted : ok Participant answered 35.000968999171 in 56 interactions

Submission 138830090

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:33:40	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def interpolation_search(target):
5     low, high = 0.0, 100.0
6     max_iterations = 100
7     for _ in range(max_iterations):
8         mid = low + (target - low) * (high - low) / (1000 - low) # 进行插值
9         print(f'? {mid}') # 发送查询请求至裁判程序
10        sys.stdout.flush()
11        response = float(input()) # 读取裁判程序的回应
12        if abs(response - target) / target <= 1e-4: # 如果回应接近给定的目标值
13            print(f'! {mid}') # 发送答案给裁判程序并结束程序
14            return
15        elif response < target: # 如果回应小于给定的目标值
16            low = mid + 1e-9
17        else: # 如果回应大于给定的目标值
18            high = mid - 1e-9
19
20
21 # 输入导致原始海水泄漏的最小尺寸
22 k = float(input())
23
24 # 开始使用插值法搜索根
25 interpolation_search(k)
26
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Accepted : ok Participant answered 30.849105112135046 in 48 interactions
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Accepted : ok Participant answered 9.343904264748055 in 46 interactions
 - Test 5 - Accepted : ok Participant answered 33.10357863724873 in 71 interactions
 - Test 6 - Accepted : ok Participant answered 66.3770378933413 in 94 interactions
 - Test 7 - Accepted : ok Participant answered 19.822116940822436 in 26 interactions
 - Test 8 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 9 - Accepted : ok Participant answered 34.99852559020364 in 56 interactions

Submission 138830039

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:33:04	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def interpolation_search(target):
5     low, high = 0.0, 100.0
6     max_iterations = 100
7     for _ in range(max_iterations):
8         mid = low + (target - low) * (high - low) / (1000 - low) # 进行插值
9         print(f'? {mid}') # 发送查询请求至裁判程序
10        sys.stdout.flush()
11        response = float(input()) # 读取裁判程序的回应
12        if abs(response - target) <= 1e-4: # 如果回应接近给定的目标值
13            print(f'! {mid}') # 发送答案给裁判程序并结束程序
14            return
15        elif response < target: # 如果回应小于给定的目标值
16            low = mid + 1e-9
17        else: # 如果回应大于给定的目标值
18            high = mid - 1e-9
19
20
21 # 输入导致原始海水泄漏的最小尺寸
22 k = float(input())
23
24 # 开始使用插值法搜索根
25 interpolation_search(k)
26
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Accepted : ok Participant answered 30.852626624622157 in 51 interactions
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Accepted : ok Participant answered 9.344578277150607 in 57 interactions
 - Test 5 - Accepted : ok Participant answered 33.10447972152972 in 79 interactions
 - Test 6 - Accepted : ok Participant answered 66.38377968356279 in 96 interactions
 - Test 7 - Accepted : ok Participant answered 19.820650191323722 in 45 interactions
 - Test 8 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 9 - Accepted : ok Participant answered 34.99995722090419 in 77 interactions

Submission 138829739

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:30:14	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def interpolation_search(target):
5     low, high = 0.0, 100.0
6     max_iterations = 100
7     for _ in range(max_iterations):
8         mid = low + (target - low) * (high - low) / (1000 - low) # 进行插值
9         print(f'? {mid}') # 发送查询请求至裁判程序
10        sys.stdout.flush()
11        response = float(input()) # 读取裁判程序的回应
12        if abs(response - target) <= 1e-12: # 如果回应接近给定的目标值
13            print(f'! {mid}') # 发送答案给裁判程序并结束程序
14            return
15        elif response < target: # 如果回应小于给定的目标值
16            low = mid + 1e-9
17        else: # 如果回应大于给定的目标值
18            high = mid - 1e-9
19
20
21 # 输入导致原始海水泄漏的最小尺寸
22 k = float(input())
23
24 # 开始使用插值法搜索根
25 interpolation_search(k)
26
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 6 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 7 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 8 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 9 - Wrong Answer : wrong output format Unexpected end of file - token expected

Submission 138829595

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:28:46	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def interpolation_search(target):
5     low, high = 0.0, 100.0
6     max_iterations = 100
7     for _ in range(max_iterations):
8         mid = low + (target - low) * (high - low) / (1000 - low) # 进行插值
9         print('?', mid) # 发送查询请求至裁判程序
10        sys.stdout.flush()
11        response = float(input()) # 读取裁判程序的回应
12        if abs(response - target) <= 1e-12: # 如果回应接近给定的目标值
13            print('!', mid) # 发送答案给裁判程序并结束程序
14            return
15        elif response < target: # 如果回应小于给定的目标值
16            low = mid + 1e-9
17        else: # 如果回应大于给定的目标值
18            high = mid - 1e-9
19
20
21 # 输入导致原始海水泄漏的最小尺寸
22 k = float(input())
23
24 # 开始使用插值法搜索根
25 interpolation_search(k)
26
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138829000

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:23:10	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def binary_search(target):
5     low, high = 0.0, 100.0
6     while low <= high:
7         mid = (low + high) / 2
8         print('?', mid) # 发送查询请求至裁判程序
9         sys.stdout.flush()
10        response = float(input()) # 读取裁判程序的回应
11        if abs(response - target) <= 1e-12: # 如果回应接近给定的目标值
12            print('!', mid) # 发送答案给裁判程序并结束程序
13            return
14        elif response < target: # 如果回应小于给定的目标值
15            low = mid + 1e-9
16        else: # 如果回应大于给定的目标值
17            high = mid - 1e-9
18
19
20 # 输入导致原始海水泄漏的最小尺寸
21 k = float(input())
22
23 # 开始二分查找
24 binary_search(k)
25
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 6 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 7 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 8 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 9 - Wrong Answer : wrong output format Unexpected end of file - token expected

Submission 138828595

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:19:15	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2 import math
3
4
5 def binary_search(target):
6     while True:
7         mid = math.sqrt(target * 100)
8         print(f"? {mid}") # 发送查询请求至裁判程序
9         sys.stdout.flush()
10        response = float(input()) # 读取裁判程序的回应
11        if abs(response - target) / target <= 1e-6: # 如果回应接近给定的目标值
12            print(f"! {mid}") # 发送答案给裁判程序并结束程序
13            return
14        elif response < target: # 如果回应小于给定的目标值
15            low = mid + 0.0001
16        else: # 如果回应大于给定的目标值
17            high = mid - 0.0001
18
19
20 # 输入导致原始海水泄漏的最小尺寸
21 k = float(input())
22
23 # 开始二分查找
24 binary_search(k)
25
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.71067811865476 in 2 interactions
 - Test 1 - Time Limit Exceeded : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3855, memory=10215424, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 3 - Runtime Error : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3436, memory=10403840, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 4 - Runtime Error : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3273, memory=9740288, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)

- Test 5 - [Runtime Error](#) : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3253, memory=10391552, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - [Time Limit Exceeded](#) : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3768, memory=18575360, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 7 - [Time Limit Exceeded](#) : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3789, memory=18649088, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138828550

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:18:49	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2 import math
3
4
5 def binary_search(target):
6     while True:
7         mid = round(math.sqrt(target * 100))
8         print(f"? {mid}") # 发送查询请求至裁判程序
9         sys.stdout.flush()
10        response = float(input()) # 读取裁判程序的回应
11        if abs(response - target) / target <= 1e-6: # 如果回应接近给定的目标值
12            print(f"! {mid}") # 发送答案给裁判程序并结束程序
13            return
14        elif response < target: # 如果回应小于给定的目标值
15            low = mid + 0.0001
16        else: # 如果回应大于给定的目标值
17            high = mid - 0.0001
18
19
20 # 输入导致原始海水泄漏的最小尺寸
21 k = float(input())
22
23 # 开始二分查找
24 binary_search(k)
25
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3889, memory=6410240, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 3 - Runtime Error : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3270, memory=2723840, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 4 - Runtime Error : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3250, memory=2707456, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)

- Test 5 - [Runtime Error](#) : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3210, memory=2719744, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - [Time Limit Exceeded](#) : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3849, memory=5025792, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 7 - [Time Limit Exceeded](#) : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3953, memory=5873664, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138826501

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 12:01:29	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def binary_search(target):
5     low, high = 0, 100
6     while low <= high:
7         mid = (low + high) / 2
8         print(f"? {mid}") # 发送查询请求至裁判程序
9         sys.stdout.flush()
10        response = float(input()) # 读取裁判程序的回应
11        if abs(response - target) / target <= 1e-4: # 如果回应接近给定的目标值
12            print(f'! {mid}') # 发送答案给裁判程序并结束程序
13            return
14        elif response < target: # 如果回应小于给定的目标值
15            low = mid + 1
16        else: # 如果回应大于给定的目标值
17            high = mid - 1
18
19
20 # 输入导致原始海水泄漏的最小尺寸
21 k = float(input())
22
23 # 开始二分查找
24 binary_search(k)
25
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 6 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 7 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 8 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 9 - Wrong Answer : wrong output format Unexpected end of file - token expected

Submission 138817438

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 11:20:49	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def f(t):
5     return (t * t) / 100
6
7
8 k = float(input())
9
10 while True:
11     r = input()
12     r_list = r.split(" ")
13     if r_list[0] == "?":
14         print(f(float(r_list[1])))
15         sys.stdout.flush()
16     elif r_list[0] == "!":
17         break
18
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 3 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 4 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 5 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 6 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 7 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138816331

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 11:16:20	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1 import sys
2
3
4 def f(t):
5     return (t * t) / 2
6
7
8 k = float(input())
9
10 while True:
11     r = input()
12     r_list = r.split(" ")
13     if r_list[0] == "!":
14         print(f(r_list[1]))
15         sys.stdout.flush()
16     elif r_list[0] == "?":
17         break
18
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 3 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 4 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 5 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 6 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 7 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138542125

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/7 15:24:21	Prophecy of Fontaine	C++11	Accepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstring>
4 #include <cstdlib>
5 #include <algorithm>
6 #include <cctype>
7
8 using namespace std;
9
10 inline int read() {
11     char ch;
12     while (!isdigit(ch = getchar())) ;
13     int sum = ch - '0';
14     while (isdigit(ch = getchar()))
15         sum = (sum * 10) + ch - '0';
16     return sum;
17 }
18
19 double l = 0, r = 100, mid;
20 double k, ans;
21
22 int main() {
23     scanf("%lf", &k);
24
25 //     printf("k %.7lf\n", k);
26
27     for (int i = 1; i < 100 && (r - l) > 0.00000001; i++) {
28 //         system("pause");
29         mid = (l + r) / 2;
30
31         printf("?.7lf\n", mid);
32         fflush(stdout);
33
34         scanf("%lf", &ans);
35
36         if (ans > k)
37             r = mid;
38         else
39             l = mid;
40     }
41
42     mid = (l + r) / 2;
43     printf("! %.7lf\n", mid);
44     return 0;
}
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106782 in 35 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526212 in 35 interactions
 - Test 2 - Accepted : ok Participant answered 95.063365 in 35 interactions
 - Test 3 - Accepted : ok Participant answered 87.3880249 in 35 interactions
 - Test 4 - Accepted : ok Participant answered 9.3445873 in 35 interactions
 - Test 5 - Accepted : ok Participant answered 33.1045311 in 35 interactions
 - Test 6 - Accepted : ok Participant answered 66.3838553 in 35 interactions
 - Test 7 - Accepted : ok Participant answered 19.8206692 in 35 interactions
 - Test 8 - Accepted : ok Participant answered 85.1173544 in 35 interactions
 - Test 9 - Accepted : ok Participant answered 35 in 35 interactions

Submission 138541766

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/7 15:21:38	Prophecy of Fontaine	C++11	Unaccepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstring>
4 #include <cstdlib>
5 #include <algorithm>
6 #include <cctype>
7
8 using namespace std;
9
10 inline int read() {
11     char ch;
12     while (!isdigit(ch = getchar())) ;
13     int sum = ch - '0';
14     while (isdigit(ch = getchar()))
15         sum = (sum * 10) + ch - '0';
16     return sum;
17 }
18
19 double l = 0, r = 100, mid;
20 double k, ans;
21
22 int main() {
23     scanf("%.lf", &k);
24
25     for (int i = 1; i < 100 && (r - l) > 0.00000001; i++) {
26         mid = (l + r) / 2;
27
28         printf("?.7lf\n", mid);
29         fflush(stdout);
30
31         scanf("%.lf", &ans);
32
33         if (ans > k)
34             r = mid;
35         else
36             l = mid;
37     }
38
39     mid = (l + r) / 2;
40     printf("! %.7lf\n", mid);
41     return 0;
42 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 1 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 2 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 3 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 4 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 5 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 6 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 7 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 8 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor
 - Test 9 - [Wrong Answer](#) : wrong answer Participant answered 100, rejected by interactor

Submission 138496758

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 22:31:25	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <iomanip>
3 using namespace std;
4
5 double query(double t) {
6     cout << "? " << fixed << setprecision(10) << t << endl;
7     double ft;
8     cin >> ft;
9     return ft;
10 }
11
12 void answer(double t0) {
13     cout << "! " << fixed << setprecision(10) << t0 << endl;
14     // Exiting the program here
15 }
16
17 int main() {
18     double k;
19     cin >> k;
20
21     // Perform binary search to find the root of f(t) = k
22     double left = 0, right = 100;
23     while (right - left > 1e-10) {
24         double mid = (left + right) / 2;
25         double f_mid = query(mid);
26         if (f_mid < k) {
27             left = mid;
28         }
29         else {
30             right = mid;
31         }
32     }
33
34     answer(left); // or answer(right), as they are very close
35     return 0;
36 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106781186 in 41 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526211441 in 41 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633649084 in 41 interactions
 - Test 3 - Accepted : ok Participant answered 87.3880249147 in 41 interactions
 - Test 4 - Accepted : ok Participant answered 9.3445872975 in 41 interactions
 - Test 5 - Accepted : ok Participant answered 33.1045310673 in 41 interactions
 - Test 6 - Accepted : ok Participant answered 66.3838552458 in 41 interactions
 - Test 7 - Accepted : ok Participant answered 19.8206692469 in 41 interactions
 - Test 8 - Accepted : ok Participant answered 85.1173543986 in 41 interactions
 - Test 9 - Accepted : ok Participant answered 34.9999999999 in 41 interactions

Submission 138411459

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 15:20:56	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 // #include<vector>
3 #include <cstdio>
4 #include <cstring>
5 #include <cmath>
6
7 using namespace std;
8 int main(){
9     float flag;
10
11     //float response;
12     scanf("%f", &flag);
13     //cin>>flag;
14     float max = 100;
15     float min = 0;
16     for(int i = 0;i<100;i++){
17         float response;
18         float mid = (max+min)/2;
19         printf("? %.10f\n", mid);
20         //std::cout << "?" << std::fixed << std::setprecision(10) << t <<
21         std::endl;
22         fflush(stdout);
23
24         scanf("%f", &response);
25         if(fabs(response - flag)<0.0001){
26             printf("! %.10f\n", mid);
27             fflush(stdout);
28             break;
29         }
30         else if(response>flag){
31             max = mid;
32         }
33         else{
34             min = mid;
35         }
36     }
37     // printf("? %.10f\n", t);
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106628418 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526039124 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634002686 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.3880386353 in 20 interactions
 - Test 4 - Accepted : ok Participant answered 9.3445777893 in 21 interactions
 - Test 5 - Accepted : ok Participant answered 33.1045150757 in 20 interactions
 - Test 6 - Accepted : ok Participant answered 66.383934021 in 20 interactions
 - Test 7 - Accepted : ok Participant answered 19.820690155 in 21 interactions
 - Test 8 - Accepted : ok Participant answered 85.1173400879 in 18 interactions
 - Test 9 - Accepted : ok Participant answered 35.000038147 in 20 interactions

Submission 138411180

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 15:18:42	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 // #include<vector>
3 #include <cstdio>
4 #include <cstring>
5 #include <cmath>
6
7 using namespace std;
8 int main(){
9     float flag;
10
11     //float response;
12     scanf("%f", flag);
13     //cin>>flag;
14     float max = 100;
15     float min = 0;
16     for(int i = 0;i<100;i++){
17         float response;
18         float mid = (max+min)/2;
19         printf("? %.10f\n", mid);
20         //std::cout << "?" << std::fixed << std::setprecision(10) << t <<
21         std::endl;
22         fflush(stdout);
23
24         scanf("%f", response);
25         if(fabs(response - flag)<0.0001){
26             printf("! %.10f\n", mid);
27             fflush(stdout);
28             break;
29         }
30         else if(response>flag){
31             max = mid;
32         }
33         else{
34             min = mid;
35         }
36     }
37     // printf("? %.10f\n", t);
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

Submission 138410537

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 15:13:33	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 // #include<vector>
3 #include <cstdio>
4 #include <cstring>
5 #include <cmath>
6
7 using namespace std;
8 int main(){
9     float flag;
10
11     //float response;
12     scanf("%.10f", flag);
13     //cin>>flag;
14     float max = 100;
15     float min = 0;
16     for(int i = 0;i<100;i++){
17         float response;
18         float mid = (max+min)/2;
19         printf("?.10f\n", mid);
20         //std::cout << "? " << std::fixed << std::setprecision(10) << t <<
21         std::endl;
22         fflush(stdout);
23
24         scanf("%.10f", response);
25         if(abs(response - flag)<0.0001){
26             printf("! %.10f\n", mid);
27             fflush(stdout);
28             break;
29         }
30         else if(response>flag){
31             max = mid;
32         }
33         else{
34             min = mid;
35         }
36     }
37     // printf("?.10f\n", t);
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 1 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 2 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 3 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 4 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 5 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 6 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 7 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 8 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
 - Test 9 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor

Submission 138410190

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 15:10:42	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 // #include<vector>
3 #include <cstdio>
4 #include <cstring>
5 #include <cmath>
6
7 using namespace std;
8 int main(){
9     float flag;
10
11     //float response;
12     scanf("%f", flag);
13     //cin>>flag;
14     float max = 100;
15     float min = 0;
16     while(true){
17         float response;
18         float mid = (max+min)/2;
19         printf("? %.10f\n", mid);
20         //std::cout << "? " << std::fixed << std::setprecision(10) << t <<
21         std::endl;
22         fflush(stdout);
23
24         scanf("%f", response);
25         if(abs(response - flag)<0.0001){
26             printf("! %.10f\n", mid);
27             fflush(stdout);
28             break;
29         }
30         else if(response>flag){
31             max = mid;
32         }
33         else{
34             min = mid;
35         }
36     }
37     // printf("? %.10f\n", t);
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

Submission 138409687

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 15:06:02	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 // #include<vector>
3 #include <cstdio>
4 #include <cstring>
5 using namespace std;
6 int main(){
7     float flag;
8
9     //float response;
10    scanf("%s", flag);
11    float max = 100;
12    float min = 0;
13    while(true){
14        float response;
15        float mid = (max+min)/2;
16        printf("? %.10f\n", mid);
17        fflush(stdout);
18
19        scanf("%s", response);
20        if(abs(response - flag)<0.0001){
21            printf("! %.10f\n", mid);
22            fflush(stdout);
23            break;
24        }
25        else if(response>flag){
26            max = mid;
27        }
28        else{
29            min = mid;
30        }
31    }
32    // printf("? %.10f\n", t);
33
34
35    return 0;
36 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor
 - Test 1 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor
 - Test 2 - Wrong Answer : wrong answer Participant answered 50, rejected by interactor

- Test 3 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
- Test 4 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
- Test 5 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
- Test 6 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
- Test 7 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
- Test 8 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor
- Test 9 - [Wrong Answer](#) : wrong answer Participant answered 50, rejected by interactor

Submission 138409169

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 15:01:43	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     float flag;
6
7     //float response;
8     scanf("%s", flag);
9     float max = 100;
10    float min = 0;
11    while(true){
12        float response;
13        float mid = (max+min)/2;
14        printf("? %.10f\n", mid);
15        fflush(stdout);
16
17        scanf("%s", response);
18        if(abs(response - flag)<0.0001){
19            printf("? %.10f\n", mid);
20            fflush(stdout);
21            break;
22        }
23        else if(response>flag){
24            max = mid;
25        }
26        else{
27            min = mid;
28        }
29    }
30    // printf("? %.10f\n", t);
31
32
33    return 0;
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected

- Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 6 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 8 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138406279

User	Time	Problem	Language	Verdict
cluelx	2023/12/6 14:32:13	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5
6     float response;
7     scanf("%s", response);
8     float max = 100;
9     float min = 0;
10    while(true){
11        float mid = (max+min)/2;
12        printf("? %.10f\n", mid);
13        fflush(stdout);
14
15        scanf("%s", response);
16        if(abs(mid-response)<0.0001){
17            break;
18        }
19        else if(mid>response){
20            max = mid;
21        }
22        else{
23            min = mid;
24        }
25    }
26    // printf("? %.10f\n", t);
27
28    return 0;
29 }
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 5 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 6 - Wrong Answer : wrong output format Unexpected end of file - token expected

- Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 8 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138353464

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 21:06:12	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int main()
5 {
6     long double taget_number;
7     cin >> taget_number;
8     long double front = 0;
9     long double end = 100;
10    long double medium = 0;
11    long double return_number =10000;
12    while (1)
13    {
14
15        if (abs(return_number - taget_number) <= 0.0001)
16        {
17            cout << "!" << medium << endl;
18            break;
19        }
20        medium = (front + end) / 2.0;
21        cout << "?" << medium << endl;
22        cin >> return_number;
23        if (return_number < taget_number)
24        {
25            front = medium;
26        }
27        else if (return_number > taget_number)
28        {
29            end = medium;
30        }
31    }
32 }
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions

- Test 4 - Accepted : ok Participant answered 9.34458 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 138353312

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 21:05:39	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 #include<cstdlib>
4 using namespace std;
5 int main()
6 {
7     long double taget_number;
8     cin >> taget_number;
9     long double front = 0;
10    long double end = 100;
11    long double medium = 0;
12    long double return_number =10000;
13    long double a = (rand() % (100 + 1));
14    cout << "?" << a;
15    cin >> return_number;
16    if (return_number < taget_number)
17    {
18        front = a;
19    }
20    else if (return_number > taget_number)
21    {
22        end = a;
23    }
24    while (1)
25    {
26
27        if (abs(return_number - taget_number) <= 0.0001)
28        {
29            cout << "!" << medium << endl;
30            break;
31        }
32        medium = (front + end) / 2.0;
33        cout << "?" << medium << endl;
34        cin >> return_number;
35        if (return_number < taget_number)
36        {
37            front = medium;
38        }
39        else if (return_number > taget_number)
40        {
41            end = medium;
42        }
43    }
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138352970

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 21:04:17	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 #include<cstdlib>
4 using namespace std;
5 int main()
6 {
7     long double taget_number;
8     cin >> taget_number;
9     long double front = 0;
10    long double end = 100;
11    long double medium = 0;
12    long double return_number =10000;
13    long double a = (rand() % (100 + 1));
14    cout << "?" << a;
15    cin >> return_number;
16    if (return_number < taget_number)
17    {
18        front = a;
19    }
20    else if (return_number > taget_number)
21    {
22        end = a;
23    }
24    while (1)
25    {
26
27        if (abs(return_number - taget_number) <= 0.0001)
28        {
29            cout << "!" << medium << endl;
30            break;
31        }
32        medium = (front + end) / 2.0;
33        cout << "?" << medium << endl;
34        cin >> return_number;
35        if (return_number < taget_number)
36        {
37            front = medium;
38        }
39        else if (return_number > taget_number)
40        {
41            end = medium;
42        }
43    }
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138352702

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 21:03:09	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 #include<cstdlib>
4 using namespace std;
5 int main()
6 {
7     long double taget_number;
8     cin >> taget_number;
9     long double front = 0;
10    long double end = 100;
11    long double medium = 0;
12    long double return_number =10000;
13    long double a = (rand() % (100 + 1));
14    cout << "?" << a;
15    cin >> return_number;
16    if (return_number < taget_number)
17    {
18        front = a;
19    }
20    else if (return_number > taget_number)
21    {
22        end = a;
23    }
24    while (1)
25    {
26
27        if (abs(return_number - taget_number) <= 0.0001)
28        {
29            cout << "!" << medium << endl;
30            break;
31        }
32        medium = (front + end) / 2.0;
33        cout << "?" << medium << endl;
34        cin >> return_number;
35        if (return_number < taget_number)
36        {
37            front = medium;
38        }
39        else if (return_number > taget_number)
40        {
41            end = medium;
42        }
43    }
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138299804

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:49:30	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 double c1 = 50.0;
5 double c2 = 0.0;
6 double c3 = 100.0;
7 double a;
8
9 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
10
11     double epsilon = 0.0001;
12
13     cout << "? " << c1;
14     double b;
15     cin >> b;
16     if (a - b > 0 && a - b > epsilon) {
17         c2 = c1;
18         c1 = (c1 + c3) / 2;
19     }
20     else if (a - b < 0 && b - a > epsilon) {
21         c3 = c1;
22         c1 = (c1 + c2) / 2;
23     }
24     else {
25         cout << "! " << c1;
26         X = false;
27     }
28 }
29
30 int main() {
31
32     cin >> a;
33
34     bool X = true;
35     while (X == true) {
36         bisection(a, c1, c2, c3, X);
37     }
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138299268

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:46:51	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 double c1 = 50.0;
5 double c2 = 0.0;
6 double c3 = 100.0;
7 double a;
8
9 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
10
11     double epsilon = 0.0001;
12
13     cout << "? " << c1 << endl;
14     double b;
15     cin >> b;
16     if (a - b > 0 && a - b > epsilon) {
17         c2 = c1;
18         c1 = (c1 + c3) / 2;
19     }
20     else if (a - b < 0 && b - a > epsilon) {
21         c3 = c1;
22         c1 = (c1 + c2) / 2;
23     }
24     else {
25         cout << "!" << c1 << endl;
26         X = false;
27     }
28 }
29
30 int main() {
31
32     cin >> a;
33
34     bool X = true;
35     while (X == true) {
36         bisection(a, c1, c2, c3, X);
37     }
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - **Accepted** : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - **Accepted** : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - **Accepted** : ok Participant answered 87.388 in 20 interactions
 - Test 4 - **Accepted** : ok Participant answered 9.34458 in 21 interactions
 - Test 5 - **Accepted** : ok Participant answered 33.1045 in 20 interactions
 - Test 6 - **Accepted** : ok Participant answered 66.3839 in 20 interactions
 - Test 7 - **Accepted** : ok Participant answered 19.8207 in 21 interactions
 - Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 20 interactions

Submission 138298878

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:45:09	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 double c1 = 50.0;
5 double c2 = 0.0;
6 double c3 = 100.0;
7 double a;
8
9 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
10
11     double epsilon = 0.0001;
12
13     cout << "?" << c1 << endl;
14     double b;
15     cin >> b;
16     if (a - b > 0 && a - b > epsilon) {
17         c2 = c1;
18         c1 = (c1 + c3) / 2;
19     }
20     else if (a - b < 0 && b - a > epsilon) {
21         c3 = c1;
22         c1 = (c1 + c2) / 2;
23     }
24     else {
25         cout << "!" << c1 << endl;
26         X = false;
27     }
28 }
29
30 int main() {
31
32     cin >> a;
33
34     bool X = true;
35     while (X == true) {
36         bisection(a, c1, c2, c3, X);
37     }
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138297907

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:40:09	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 double c1 = 50.0;
5 double c2 = 0.0;
6 double c3 = 100.0;
7 double a;
8
9 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
10
11     double epsilon = 0.0001;
12
13     cout << "?" << c1 << endl;
14     double b;
15     cin >> b;
16     if (a - b > 0 && a - b > epsilon) {
17         c2 = c1;
18         c1 = (c1 + c3) / 2;
19     }
20     else if (a - b < 0 && b - a > epsilon) {
21         c3 = c1;
22         c1 = (c1 + c2) / 2;
23     }
24     else {
25         cout << "!" << c1 << endl;
26         X = false;
27     }
28 }
29
30 int main() {
31
32     cin >> a;
33
34     bool X = true;
35     while (X == true) {
36         bisection(a, c1, c2, c3, X);
37     }
38
39     return 0;
40 }
41
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138297764

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:39:32	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1
2
3
4 c1=50.0
5 c2=0.0
6 c3=100.0
7 a= float(input())
8
9 def bisection(a,c1,c2,c3):
10
11     epsilon=0.0001
12
13     print(f"?{c1}")
14     b = float(input())
15     if a-b > 0 and a-b >epsilon:
16         c2 = c1
17         c1 = (c1+c3)/2
18     elif a-b < 0 and b-a > epsilon:
19         c3 = c1
20         c1 = (c1+c2)/2
21     else:
22         print(f"!{c1}")
23         return c1,c1,c1,False
24     return c1,c2,c3,True
25
26 X=True
27 while X==True:
28     c1,c2,c3,X=bisection(a,c1,c2,c3)
29
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 3 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 4 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138297117

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:35:59	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1  c1=50.0
2  c2=0.0
3  c3=100.0
4  a= float(input())
5
6  def bisection(a,c1,c2,c3):
7
8      epsilon=0.0001
9
10     print(f"?{c1}")
11     b=float(input())
12     if a-b>0and a-b>epsilon:
13         c2=c1
14         c1=(c1+c3)/2
15     elif a-b<0and b-a>epsilon:
16         c3=c1
17         c1=(c1+c2)/2
18     else:
19         print(f"!{c1}")
20         return c1,c1,c1,False
21     return c1,c2,c3,True
22
23 X=True
24 while X==True:
25     c1,c2,c3,X=bisection(a,c1,c2,c3)
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 3 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 4 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 5 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138296274

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:30:41	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <stdio.h>
2
3 double c1 = 50.0;
4 double c2 = 0.0;
5 double c3 = 100.0;
6 double a;
7
8 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
9
10    double epsilon = 0.0001;
11
12    printf("?", c1);
13    double b;
14    scanf("%lf", &b);
15    if (a - b > 0 && a - b > epsilon) {
16        c2 = c1;
17        c1 = (c1 + c3) / 2;
18    }
19    else if (a - b < 0 && b - a > epsilon) {
20        c3 = c1;
21        c1 = (c1 + c2) / 2;
22    }
23    else {
24        printf("!", c1);
25        X = false;
26    }
27}
28
29 int main() {
30
31    scanf("%lf", &a);
32
33    bool X = true;
34    while (X == true) {
35        bisection(a, c1, c2, c3, X);
36    }
37
38    return 0;
39}
40
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138295175

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:24:04	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <stdio.h>
2
3 double c1 = 50.0;
4 double c2 = 0.0;
5 double c3 = 100.0;
6 double a;
7
8 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
9
10    double epsilon = 0.0001;
11
12    printf(">%lf\n", c1);
13    double b;
14    scanf("%lf", &b);
15    if (a - b > 0 && a - b > epsilon) {
16        c2 = c1;
17        c1 = (c1 + c3) / 2;
18    }
19    else if (a - b < 0 && b - a > epsilon) {
20        c3 = c1;
21        c1 = (c1 + c2) / 2;
22    }
23    else {
24        printf("!%lf\n", c1);
25        X = false;
26    }
27}
28
29 int main() {
30
31    scanf("%lf", &a);
32
33    bool X = true;
34    while (X == true) {
35        bisection(a, c1, c2, c3, X);
36    }
37
38    return 0;
39}
40
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138294843

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:21:52	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 double c1 = 50.0;
5 double c2 = 0.0;
6 double c3 = 100.0;
7 double a;
8
9 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
10
11     double epsilon = 0.0001;
12
13     cout << "?" << c1 << endl;
14     double b;
15     cin >> b;
16     if (a - b > 0 && a - b > epsilon) {
17         c2 = c1;
18         c1 = (c1 + c3) / 2;
19     }
20     else if (a - b < 0 && b - a > epsilon) {
21         c3 = c1;
22         c1 = (c1 + c2) / 2;
23     }
24     else {
25         cout << "!" << c1 << endl;
26         X = false;
27     }
28 }
29
30 int main() {
31
32     cin >> a;
33
34     bool X = true;
35     while (X == true) {
36         bisection(a, c1, c2, c3, X);
37     }
38
39     return 0;
40 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138293992

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:16:29	Prophecy of Fontaine	Python 3	Unaccepted

Code

```
1  c1=50.0
2  c2=0.0
3  c3=100.0
4  a= float(input())
5
6  def bisection(a,c1,c2,c3):
7
8      epsilon=0.0001
9
10     print(f"?{c1}")
11     b=float(input())
12     if a-b>0and a-b>epsilon:
13         c2=c1
14         c1=(c1+c3)/2
15     elif a-b<0and b-a>epsilon:
16         c3=c1
17         c1=(c1+c2)/2
18     else:
19         print(f"!{c1}")
20         return c1,c1,c1,False
21     return c1,c2,c3,True
22
23 X=True
24 while X==True:
25     c1,c2,c3,X=bisection(a,c1,c2,c3)
26
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 2 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 3 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 4 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138284295

User	Time	Problem	Language	Verdict
asdf46	2023/12/5 14:59:14	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<iomanip>
3 using namespace std;
4 int main(){
5     double l=0.0,m,r=100.0,ans,tr;
6     cin>>ans;
7     while(m=(l+r)/2){
8         cout<<"? "<<fixed<<setprecision(6)<<m<<endl;
9         fflush(stdout);
10    cin>>tr;
11    if(ans-tr<0.0001&&ans-tr>-0.0001) break;
12    if(ans>tr) l=m;
13    else r=m;
14 }
15 cout<<"! "<<fixed<<setprecision(6)<<m<<endl;
16 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.710659 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.852604 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388039 in 20 interactions
 - Test 4 - Accepted : ok Participant answered 9.344578 in 21 interactions
 - Test 5 - Accepted : ok Participant answered 33.104515 in 20 interactions
 - Test 6 - Accepted : ok Participant answered 66.383934 in 20 interactions
 - Test 7 - Accepted : ok Participant answered 19.82069 in 21 interactions
 - Test 8 - Accepted : ok Participant answered 85.11734 in 18 interactions
 - Test 9 - Accepted : ok Participant answered 35.000038 in 20 interactions

Submission 138247500

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:19:11	Prophecy of Fontaine	C++17	Accepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     scanf("%lf",&k);
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         printf("? %.10lf\n",M);
21         fflush(stdout);
22         scanf("%lf",&res);
23         if(fabs(res-k)<1e-6)
24         {
25             printf("! %.10lf\n",M);
26             fflush(stdout);
27             return ;
28         }
29         if(res<=k) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     int T=1;
37     //cin>>T;
38     while(T--)
39     {
40         solve();
41     }
42 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106783986 in 27 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526210487 in 28 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633645058 in 24 interactions
 - Test 3 - Accepted : ok Participant answered 87.3880248517 in 29 interactions
 - Test 4 - Accepted : ok Participant answered 9.3445872888 in 30 interactions
 - Test 5 - Accepted : ok Participant answered 33.104531467 in 27 interactions
 - Test 6 - Accepted : ok Participant answered 66.3838550448 in 27 interactions
 - Test 7 - Accepted : ok Participant answered 19.8206692934 in 26 interactions
 - Test 8 - Accepted : ok Participant answered 85.117354244 in 28 interactions
 - Test 9 - Accepted : ok Participant answered 35.000000149 in 28 interactions

Submission 138246778

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:11:47	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-6)
24         {
25             cout<<fixed<<"! "<<setprecision(10)<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res<=k) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35.000038147 in 20 interactions

Submission 138246585

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:09:59	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-6)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res<=k) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 20 interactions

Submission 138246415

User	Time	Problem	Language	Verdict
a_fly_fish	2023/12/4 23:08:16	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2
3 using namespace std;
4
5 int main() {
6     long double k;
7     cin >> k;
8     long double start = 0;
9     long double end = 100;
10    long double mid = 50;
11    long double answer;
12    int flag = 0;
13    cout << '?' << mid << endl;
14    cout.flush();
15    for (int i = 0; i < 20; i++)
16    {
17        cin >> answer;
18        if (answer == k)
19        {
20            cout << '!' << mid;
21            cout.flush();
22            flag = 1;
23            break;
24        }
25        else if (answer > k)
26        {
27            end = mid;
28            mid = (start + end) / 2;
29            cout << '?' << mid << endl;
30            cout.flush();
31        }
32        else
33        {
34            start = mid;
35            mid = (start + end) / 2;
36            cout << '?' << mid << endl;
37            cout.flush();
38        }
39    }
40    if (flag == 0)
41        cout << '!' << mid;
42    return 0;
43 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138246293

User	Time	Problem	Language	Verdict
a_fly_fish	2023/12/4 23:07:21	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2
3 using namespace std;
4
5 int main() {
6     long double k;
7     cin >> k;
8     long double start = 0;
9     long double end = 100;
10    long double mid = 50;
11    long double answer;
12    int flag = 0;
13    cout << '?' << mid << endl;
14    cout.flush();
15    for (int i = 0; i < 20; i++)
16    {
17        cin >> answer;
18        if (answer == k)
19        {
20            cout << '!' << mid;
21            cout.flush();
22            flag = 1;
23            break;
24        }
25        else if (answer > k)
26        {
27            end = mid;
28            mid = (start + end) / 2;
29            cout << '?' << mid << endl;
30            cout.flush();
31        }
32        else
33        {
34            start = mid;
35            mid = (start + end) / 2;
36            cout << '?' << mid << endl;
37            cout.flush();
38        }
39    }
40    if (flag == 0)
41        cout << '!' << mid;
42    return 0;
43 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138246175

User	Time	Problem	Language	Verdict
a_fly_fish	2023/12/4 23:06:19	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2
3 using namespace std;
4
5 int main() {
6     long double k;
7     cin >> k;
8     long double start = 0;
9     long double end = 100;
10    long double mid = 50;
11    long double answer;
12    int flag = 0;
13    cout << '?' << mid << endl;
14    cout.flush();
15    for (int i = 0; i < 99; i++)
16    {
17        cin >> answer;
18        if (answer == k)
19        {
20            cout << '!' << mid;
21            cout.flush();
22            flag = 1;
23            break;
24        }
25        else if (answer > k)
26        {
27            end = mid;
28            mid = (start + end) / 2;
29            cout << '?' << mid << endl;
30            cout.flush();
31        }
32        else
33        {
34            start = mid;
35            mid = (start + end) / 2;
36            cout << '?' << mid << endl;
37            cout.flush();
38        }
39    }
40    if (flag == 0)
41        cout << '!' << mid;
42    return 0;
43 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138246147

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:06:08	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-6)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(k-res>1e-6) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 20 interactions

Submission 138246005

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:04:54	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(k-res>1e-6) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 20 interactions

Submission 138245960

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:04:20	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res-k<0) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 20 interactions

Submission 138245936

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:04:07	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res-k>0) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 1 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 3 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138245828

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:03:01	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res-k>1e-4) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 1 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 3 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138245643

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 23:01:21	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res>k) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 1 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 3 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Wrong Answer](#) : wrong answer Invalid decimal fixed: 9.53674e-05
 - Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138245424

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 22:59:29	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=0,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res<k) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 20 interactions

Submission 138245251

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 22:58:07	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=1,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5)
24         {
25             cout<<"! "<<M<<'\n';
26             cout<<flush;
27             break;
28         }
29         if(res<k) L=M;
30         else R=M;
31     }
32 }
33
34 int main()
35 {
36     ios::sync_with_stdio(false);
37     cin.tie(0);
38     int T=1;
39     //cin>>T;
40     while(T--)
41     {
42         solve();
43     }
44 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 21 interactions

Submission 138245045

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 22:56:18	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=1,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5) cout<<"! "<<M<<'\n';
24         cout<<flush;
25         if(res<k) L=M;
26         else R=M;
27     }
28
29 }
30 int main()
31 {
32     ios::sync_with_stdio(false);
33     cin.tie(0);
34     int T=1;
35     //cin>>T;
36     while(T--)
37     {
38         solve();
39     }
40 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 1 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 2 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 3 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 4 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 5 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 6 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 7 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 8 - **Wrong Answer** : wrong output format Unexpected end of file - token expected
 - Test 9 - **Accepted** : ok Participant answered 35 in 21 interactions

Submission 138244921

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/4 22:55:20	Prophecy of Fontaine	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 #define ebk emplace_back
4 #define x first
5 #define y second
6 typedef pair<int,int> PII;
7 typedef long long ll;
8 typedef unsigned long long ull;
9 typedef vector<string> VS;
10 typedef vector<int> VI;
11
12 void solve()
13 {
14     double k;
15     cin>>k;
16     double L=1,R=100,res;
17     for(int i=1;i<=100;++i)
18     {
19         double M=L+(R-L)/2;
20         cout<<"? "<<M<<'\n';
21         cout<<flush;
22         cin>>res;
23         if(fabs(res-k)<1e-5) cout<<"! "<<res<<'\n';
24         cout<<flush;
25         if(res<k) L=M;
26         else R=M;
27     }
28
29 }
30 int main()
31 {
32     ios::sync_with_stdio(false);
33     cin.tie(0);
34     int T=1;
35     //cin>>T;
36     while(T--)
37     {
38         solve();
39     }
40 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Wrong Answer](#) : wrong answer Participant answered 71, rejected by interactor

Submission 138215107

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 20:27:16	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         double mid = (l + r + 0.00001) / 2.0;
18         cout << "?" << mid << endl;
19         fflush(stdout);
20         double res;
21         cin >> res;
22         if (abs(res - ans) < 1e-3) {
23             cout << "!" << mid << endl;
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.00001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106 in 17 interactions
 - Test 1 - Accepted : ok Participant answered 30.8529 in 16 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 15 interactions
 - Test 3 - Accepted : ok Participant answered 87.3878 in 17 interactions

- Test 4 - Accepted : ok Participant answered 9.34467 in 15 interactions
- Test 5 - Accepted : ok Participant answered 33.1037 in 15 interactions
- Test 6 - Accepted : ok Participant answered 66.3842 in 17 interactions
- Test 7 - Accepted : ok Participant answered 19.8208 in 17 interactions
- Test 8 - Accepted : ok Participant answered 85.1174 in 15 interactions
- Test 9 - Accepted : ok Participant answered 35.0003 in 18 interactions

Submission 138214893

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 20:26:28	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (r-l>0.00001) {
17         double mid = (l + r + 0.000000001) / 2.0;
18         printf("? %.12lf\n", mid);
19         fflush(stdout);
20         double res;
21         scanf("%lf", res);
22         if (abs(res - ans) < 0.00001) {
23             printf("! %.12lf\n", mid);
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.000000001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

- Test 4 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 5 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 6 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 7 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 8 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

Submission 138214692

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 20:25:45	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (r-l>0.00001) {
17         int mid = (l + r + 0.00000001) / 2.0;
18         printf("? %.12lf\n", mid);
19         fflush(stdout);
20         double res;
21         scanf("%lf", res);
22         if (abs(res - ans) < 0.00001) {
23             printf("! %.12lf\n", mid);
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.00000001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

- Test 4 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 5 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 6 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 7 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 8 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

Submission 138201236

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 19:37:06	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.000000001) / 2.0;
18         printf("? %.12lf\n", mid);
19         fflush(stdout);
20         double res;
21         scanf("%.6lf", res);
22         if (abs(res - ans) < 0.00001) {
23             printf("! %.12lf\n", mid);
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.000000001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Unknown Error : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '3971', '--gid', '3971', '--chroot', '/tmp/execenvaswxbvhe/0', '--chdir', '/', '--result-fd', '47', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LANG', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '0', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_m36p3brh/prog']' timed out after 5.3 seconds
```

- Test 1 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
```

```
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '9657', '--gid', '9657', '--chroot', '/tmp/execenvrmwj1abk/2', '--chdir', '/', '--result-fd', '47', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '2', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_0bsita6j/prog']' timed out after 5.3 seconds
```

- Test 2 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '2678', '--gid', '2678', '--chroot', '/tmp/execenvz10gd5vc/4', '--chdir', '/', '--result-fd', '46', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '4', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_01edstl7/prog']' timed out after 5.3 seconds
```

- Test 3 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '6581', '--gid', '6581', '--chroot', '/tmp/execenvaswxbvhe/2', '--chdir', '/', '--result-fd', '50', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LANG', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '2', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_3_vrj08h/prog']' timed out after 5.3 seconds
```

- Test 4 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
```

```
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '7006', '--gid', '7006', '--chroot', '/tmp/execenvz10gd5vc/6', '--chdir', '/', '--result-fd', '50', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '6', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_7gjk87vi/prog']' timed out after 5.3 seconds
```

- Test 5 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '7688', '--gid', '7688', '--chroot', '/tmp/execenvaswxbvhe/4', '--chdir', '/', '--result-fd', '45', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '4', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_fdij9gga/prog']' timed out after 5.3 seconds
```

- Test 6 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '6409', '--gid', '6409', '--chroot', '/tmp/execenvzsr6vgh1/6', '--chdir', '/', '--result-fd', '51', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '6', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_yu5hzhch/prog']' timed out after
5.3 seconds
```

- Test 7 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
```

```
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '8826', '--gid', '8826', '--chroot', '/tmp/execenvrmwj1abk/6', '--chdir', '/', '--result-fd', '48', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '6', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_wtufzr9i/prog']' timed out after 5.3 seconds
```

- Test 8 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '8455', '--gid', '8455', '--chroot', '/tmp/execenvz10gd5vc/2', '--chdir', '/', '--result-fd', '46', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '2', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_p6anx0oi/prog']' timed out after 5.3 seconds
```

- Test 9 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
  File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
  File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
  File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
  File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
  File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
  File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
  File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
  File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
  File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
  File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
  File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '7119', '--gid', '7119', '--chroot', '/tmp/execenvrmwj1abk/8', '--chdir', '/', '--result-fd', '46', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LANG', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '8', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_i8dmt2kk/prog']' timed out after 5.3 seconds
```

Submission 138201031

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 19:36:11	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.000000001) / 2.0;
18         printf("? %.12lf\n", mid);
19         fflush(stdout);
20         double res;
21         scanf("%lf", res);
22         if (abs(res - ans) < 0.00001) {
23             printf("! %.12lf\n", mid);
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.000000001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

- Test 4 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 5 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 6 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 7 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 8 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Runtime Error](#) : wrong output format Unexpected end of file - token expected

Submission 138194794

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 19:06:26	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.000000001) / 2.0;
18         printf("? %.12lf\n", mid);
19         fflush(stdout);
20         double res;
21         scanf("%.12lf", res);
22         if (abs(res - ans) < 0.00001) {
23             printf("! %.12lf\n", mid);
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.000000001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Unknown Error : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '6638', '--gid', '6638', '--chroot', '/tmp/execenvaswxbvhe/8', '--chdir', '/', '--result-fd', '46', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '8', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_a1zho1kz/prog']' timed out after
5.3 seconds
```

- Test 1 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
```

```
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '7985', '--gid', '7985', '--chroot', '/tmp/execenvzsr6vgh1/2', '--chdir', '/', '--result-fd', '45', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '2', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_8ni3nj3d/prog']' timed out after 5.3 seconds
```

- Test 2 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '4490', '--gid', '4490', '--chroot', '/tmp/execenvz10gd5vc/0', '--chdir', '/', '--result-fd', '51', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '0', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_9u7dpa2u/prog']' timed out after 5.3 seconds
```

- Test 3 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '7345', '--gid', '7345', '--chroot', '/tmp/execenvaswxbvhe/0', '--chdir', '/', '--result-fd', '48', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LANG', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '0', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_nmfpllwj/prog']' timed out after 5.3 seconds
```

- Test 4 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
```

```
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '4729', '--gid', '4729', '--chroot', '/tmp/execenvzsr6vgh1/4', '--chdir', '/', '--result-fd', '48', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '4', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_f4aaefsj/prog']' timed out after 5.3 seconds
```

- Test 5 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '7567', '--gid', '7567', '--chroot', '/tmp/execenvz10gd5vc/2', '--chdir', '/', '--result-fd', '49', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '2', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_pdbhcurz/prog']' timed out after 5.3 seconds
```

- Test 6 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '4927', '--gid', '4927', '--chroot', '/tmp/execenvaswxbvhe/2', '--chdir', '/', '--result-fd', '44', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LANG', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '2', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_n7lv30pl/prog']' timed out after 5.3 seconds
```

- Test 7 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
```

```
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '6827', '--gid', '6827', '--chroot', '/tmp/execenvzsr6vgh1/6', '--chdir', '/', '--result-fd', '46', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '6', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_dac05vsf/prog']' timed out after 5.3 seconds
```

- Test 8 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout=timeout)
File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '4726', '--gid', '4726', '--chroot', '/tmp/execenvz10gd5vc/8', '--chdir', '/', '--result-fd', '45', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpu', '8', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_oxcux1kq/prog']' timed out after 5.3 seconds
```

- Test 9 - [Unknown Error](#) : Judger internal error

Traceback (most recent call last):

```
  File "/app/luogu-judger/source/tasks/Judge.py", line 142, in judge
    result = judge_func(cpu=cpu,
  File "/app/luogu-judger/source/judger/Judger.py", line 123, in judge_interactive
    execution_result = program_future.result()
  File "/usr/lib/python3.9/concurrent/futures/base.py", line 433, in result
    return self._get_result()
  File "/usr/lib/python3.9/concurrent/futures/base.py", line 389, in _get_result
    raise self.exception
  File "/usr/lib/python3.9/concurrent/futures/thread.py", line 52, in run
    result = self.fn(*self.args, **self.kwargs)
  File "/app/luogu-judger/source/judger/Judger.py", line 83, in program_thread
    execution_result = self.runner.execute(cpu=cpu,
  File "/app/luogu-judger/source/judger/ProgramRunner.py", line 61, in execute
    execution_result = self.executor.execute(command,
  File "/app/luogu-judger/source/executor/LrunExecutor.py", line 66, in execute
    ret = subprocess.call(lrun_command, cwd=work_dir,
  File "/usr/lib/python3.9/subprocess.py", line 351, in call
    return p.wait(timeout=timeout)
  File "/usr/lib/python3.9/subprocess.py", line 1189, in wait
    return self._wait(timeout)
  File "/usr/lib/python3.9/subprocess.py", line 1911, in _wait
    raise TimeoutExpired(self.args, timeout)
subprocess.TimeoutExpired: Command '['lrun', '--netns', 'lrun-empty', '--isolate-process', 'true', '--uid', '2776', '--gid', '2776', '--chroot', '/tmp/execenvaswxbvhe/4', '--chdir', '/', '--result-fd', '48', '--hostname', 'sandbox.luogu', '--reset-env', 'true', '--env', 'HOME', '/', '--env', 'TERM', 'xterm', '--env', 'LANG', 'LOCALE_ARCHIVE', '/usr/lib/locale/locale-archive', '--env', 'LANGUAGE', 'zh_CN:zh', '--env', 'LANG', 'zh_CN.UTF-8', '--env', 'ONLINE_JUDGE', 'luogu', '--env', 'PATH', '/nix/var/nix/profiles/judge_nul/bin', '--cpus', '4', '--max-cpu-time', '1.200', '--max-real-time', '4.300', '--max-memory', '268435456', '--max-nprocess', '21', '--max-output', '268435456', 'sh', '-c', '/tmp/exec_jd7jo0p3/prog']' timed out after 5.3 seconds
```

Submission 138193970

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 19:01:52	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.000000001) / 2.0;
18         printf("? %.12lf\n", mid);
19         fflush(stdout);
20         double res;
21         scanf("%.12lf", res);
22         cin >> res;
23         if (abs(res - ans) < 1e-4) {
24             printf("! %.12lf\n", mid);
25             return 0;
26         }
27         else if (res > ans) {
28             r = mid - 0.000000001;
29         }
30         else {
31             l = mid;
32         }
33     }
34     fflush(stdout);
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 1 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 4 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138193711

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 19:00:16	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.00001) / 2.0;
18         printf("? %.6lf\n", mid);
19         fflush(stdout);
20         double res;
21         scanf("%.6lf", res);
22         cin >> res;
23         if (abs(res - ans) < 1e-4) {
24             printf("! %.6lf\n", mid);
25             return 0;
26         }
27         else if (res > ans) {
28             r = mid - 0.00001;
29         }
30         else {
31             l = mid;
32         }
33     }
34     fflush(stdout);
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 1 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 4 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138192970

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 18:55:51	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.00001) / 2.0;
18         cout << "?" << mid << endl;
19         fflush(stdout);
20         double res;
21         cin >> res;
22         if (abs(res - ans) < 1e-3) {
23             cout << "!" << mid << endl;
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.00001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3895, memory=2764800, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 4 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3806, memory=2682880, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3829, memory=2768896, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35 in 7 interactions

Submission 138192646

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 18:53:56	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.00001) / 2.0;
18         cout << "?" << mid << endl;
19         fflush(stdout);
20         double res;
21         cin >> res;
22         if (abs(res - ans) < 1e-4) {
23             cout << "!" << mid << endl;
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.00001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3895, memory=2760704, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 4 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3844, memory=2891776, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3921, memory=2768896, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35 in 7 interactions

Submission 138192440

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 18:52:35	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 #include <cstdio>
10 using namespace std;
11 const int mod = 998244353;
12 int main() {
13     double l = 1.0, r = 100.0;
14     double ans;
15     cin >> ans;
16     while (l != r) {
17         int mid = (l + r + 0.00001) / 2;
18         cout << "?" << mid << endl;
19         fflush(stdout);
20         double res;
21         cin >> res;
22         if (abs(res - ans) < 1e-4) {
23             cout << "!" << mid << endl;
24             return 0;
25         }
26         else if (res > ans) {
27             r = mid - 0.00001;
28         }
29         else {
30             l = mid;
31         }
32     }
33     fflush(stdout);
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=4137, memory=2760704, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 4 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3809, memory=2764800, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3824, memory=2887680, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=4238, memory=4997120, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35 in 7 interactions

Submission 138181825

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 17:32:10	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int main()
5 {
6     long double taget_number;
7     cin >> taget_number;
8     long double front = 0;
9     long double end = 100;
10    long double medium = 0;
11    long double return_number =10000;
12    while (1)
13    {
14
15        if (abs(return_number - taget_number) <= 0.0001)
16        {
17            cout << "!" << medium << endl;
18            break;
19        }
20        medium = (front + end) / 2.0;
21        cout << "?" << medium << endl;
22        cin >> return_number;
23        if (return_number < taget_number)
24        {
25            front = medium;
26        }
27        else if (return_number > taget_number)
28        {
29            end = medium;
30        }
31    }
32 }
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions

- Test 4 - Accepted : ok Participant answered 9.34458 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 138180680

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 17:25:42	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int main()
5 {
6     double taget_number;
7     cin >> taget_number;
8     double front = 0;
9     double end = 100;
10    double medium = 0;
11    double return_number =10000;
12    while (1)
13    {
14
15        if (abs(return_number - taget_number) <= 0.0001)
16        {
17            cout << "!" << medium << endl;
18            break;
19        }
20        medium = (front + end) / 2.0;
21        cout << "?" << medium << endl;
22        cin >> return_number;
23        if (return_number < taget_number)
24        {
25            front = medium;
26        }
27        else if (return_number > taget_number)
28        {
29            end = medium;
30        }
31    }
32 }
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions

- Test 4 - Accepted : ok Participant answered 9.34458 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 138180148

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 17:22:28	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int main()
5 {
6     double taget_number;
7     cin >> taget_number;
8     double front = 0;
9     double end = 100;
10    double medium = 0;
11    double return_number =10000;
12    while (1)
13    {
14
15        if (abs(return_number - taget_number) < 0.0001)
16        {
17            cout << "!" << medium << endl;
18            break;
19        }
20        medium = (front + end) / 2.0;
21        cout << "?" << medium << endl;
22        cin >> return_number;
23        if (return_number < taget_number)
24        {
25            front = medium;
26        }
27        else if (return_number > taget_number)
28        {
29            end = medium;
30        }
31    }
32 }
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions

- Test 4 - Accepted : ok Participant answered 9.34458 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
- Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 138179648

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 17:19:20	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int main()
5 {
6     double taget_number;
7     cin >> taget_number;
8     double front = 0;
9     double end = 100;
10    double medium = 0;
11    double return_number =10000;
12    while (1)
13    {
14
15        if (abs(return_number - taget_number) < 0.0001)
16        {
17            cout<<'!'"<<medium;
18            break;
19        }
20        medium = (front + end) / 2.0;
21        cout << "?"<<medium;
22        cin >> return_number;
23        if (return_number < taget_number)
24        {
25            front = medium;
26        }
27        else if (return_number > taget_number)
28        {
29            end = medium;
30        }
31    }
32 }
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 4 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138149353

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 12:43:46	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <iomanip>
3 using namespace std;
4
5 double query(double t) {
6     cout << "? " << t << endl;
7     cout.flush();
8     double result;
9     cin >> result;
10    return result;
11 }
12 int main() {
13     double k;
14     cin >> k;
15     double low = 0, high = 100, mid;
16     int count = 0;
17     while (high - low > 1e-4 && count < 100) {
18         mid = (low + high) / 2;
19         double f_mid = query(mid);
20         count++;
21         if (f_mid < k) {
22             low = mid;
23         } else {
24             high = mid;
25         }
26     }
27     cout << fixed << setprecision(10) << "!" << mid << endl;
28     return 0;
29 }
30 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106590271 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526039124 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633049011 in 21 interactions
 - Test 3 - Accepted : ok Participant answered 87.3881340027 in 21 interactions
 - Test 4 - Accepted : ok Participant answered 9.3445777893 in 21 interactions
 - Test 5 - Accepted : ok Participant answered 33.1046104431 in 21 interactions
 - Test 6 - Accepted : ok Participant answered 66.3838386536 in 21 interactions

- Test 7 - Accepted : ok Participant answered 19.820690155 in 21 interactions
- Test 8 - Accepted : ok Participant answered 85.1174354553 in 21 interactions
- Test 9 - Accepted : ok Participant answered 34.9999427795 in 21 interactions

Submission 138149301

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 12:42:49	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <iomanip>
3 using namespace std;
4
5 // 查询函数f(t)
6 double query(double t) {
7     cout << "? " << t << endl;
8     cout.flush(); // 确保立即发送
9     double result;
10    cin >> result; // 接收裁判程序的回应
11    return result;
12 }
13
14 int main() {
15     double k;
16     cin >> k; // 从裁判程序接收输入的k
17
18     double low = 0, high = 100, mid;
19     int count = 0;
20     while (high - low > 1e-4 && count < 100) {
21         mid = (low + high) / 2;
22         double f_mid = query(mid);
23         count++;
24
25         if (f_mid < k) {
26             low = mid;
27         } else {
28             high = mid;
29         }
30     }
31     cout << fixed << setprecision(10) << "!" << mid << endl;
32     return 0;
33 }
34 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106590271 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526039124 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633049011 in 21 interactions
 - Test 3 - Accepted : ok Participant answered 87.3881340027 in 21 interactions

- Test 4 - Accepted : ok Participant answered 9.3445777893 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1046104431 in 21 interactions
- Test 6 - Accepted : ok Participant answered 66.3838386536 in 21 interactions
- Test 7 - Accepted : ok Participant answered 19.820690155 in 21 interactions
- Test 8 - Accepted : ok Participant answered 85.1174354553 in 21 interactions
- Test 9 - Accepted : ok Participant answered 34.9999427795 in 21 interactions

Submission 138147599

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/4 12:15:33	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 using namespace std;
3 float k;
4
5 float f(float t){
6     printf("? %f\n", t);
7     fflush(stdout);
8     float ret;
9     scanf("%f", &ret);
10    return ret;
11 }
12
13 void solve(){
14     float l = 0;
15     float r = 100;
16     float mid;
17     while(r - l > 0.00001){
18         mid = (l + r)/2;
19         if(f(mid) > k){
20             r = mid;
21         }
22         else{
23             l = mid;
24         }
25     }
26     mid = (l + r)/2;
27     printf("! %f\n", mid);
28 }
29
30 int main(){
31     scanf("%f", &k);
32     solve();
33     return 0;
34 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.710678 in 24 interactions
 - Test 1 - Accepted : ok Participant answered 30.852623 in 25 interactions
 - Test 2 - Accepted : ok Participant answered 95.063385 in 24 interactions
 - Test 3 - Accepted : ok Participant answered 87.388031 in 25 interactions

- Test 4 - Accepted : ok Participant answered 9.344586 in 25 interactions
- Test 5 - Accepted : ok Participant answered 33.104534 in 25 interactions
- Test 6 - Accepted : ok Participant answered 66.383865 in 24 interactions
- Test 7 - Accepted : ok Participant answered 19.820671 in 25 interactions
- Test 8 - Accepted : ok Participant answered 85.117355 in 24 interactions
- Test 9 - Accepted : ok Participant answered 35 in 25 interactions

Submission 138147501

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/4 12:13:27	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 float k;
4
5 float f(float t){
6     cout << "? " << t << endl;
7     fflush(stdout);
8     float ret;
9     cin >> ret;
10    return ret;
11 }
12
13 void solve(){
14     float l = 0;
15     float r = 100;
16     float mid;
17     while(r - l > 0.000001){
18         mid = (l + r)/2;
19         if(f(mid) > k){
20             r = mid;
21         }
22         else{
23             l = mid;
24         }
25     }
26     mid = (l + r)/2;
27     cout << "! " << mid << endl;
28 }
29
30 int main(){
31     cin >> k;
32     solve();
33     return 0;
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=4268, memory=10883072, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)

- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3446, memory=6684672, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 4 - **Accepted** : ok Participant answered 9.34459 in 28 interactions
- Test 5 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3505, memory=6828032, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=4179, memory=9048064, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138144697

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:19:14	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 double query(double x) {
10     cout << "? " << x << endl;
11     double f;
12     cin >> f;
13     return f;
14 }
15
16 int main() {
17     ios::sync_with_stdio(false);
18     cin.tie(NULL);
19     cout.tie(NULL);
20     cin >> k;
21     double a = 1;
22     double b = 100;
23
24     while (b - a > 1e-4) {
25         double sol = (a + b) / 2;
26         if (query(sol) < k) {
27             a = sol;
28         } else {
29             b = sol;
30         }
31
32         cout << "!" << (a + b) / 2 << endl;
33     }
34 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 21 interactions
 - Test 3 - Accepted : ok Participant answered 87.3881 in 21 interactions

- Test 4 - Accepted : ok Participant answered 9.34462 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1046 in 21 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 21 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Accepted : ok Participant answered 85.1173 in 21 interactions
- Test 9 - Accepted : ok Participant answered 35 in 21 interactions

Submission 138144662

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:18:31	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (abs(b - a) <= 1e-4) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7106 in 22 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 22 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 22 interactions

- Test 3 - Accepted : ok Participant answered 87.3881 in 22 interactions
- Test 4 - Accepted : ok Participant answered 9.34462 in 22 interactions
- Test 5 - Accepted : ok Participant answered 33.1046 in 22 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 22 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 22 interactions
- Test 8 - Accepted : ok Participant answered 85.1173 in 22 interactions
- Test 9 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

Submission 138144654

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:18:16	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (abs(b - a) <= 1e-4) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7106 in 22 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 22 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 22 interactions

- Test 3 - Accepted : ok Participant answered 87.3881 in 22 interactions
- Test 4 - Accepted : ok Participant answered 9.34462 in 22 interactions
- Test 5 - Accepted : ok Participant answered 33.1046 in 22 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 22 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 22 interactions
- Test 8 - Accepted : ok Participant answered 85.1173 in 22 interactions
- Test 9 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

Submission 138144641

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:18:06	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (abs(b - a) <= 1e-4) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7106 in 22 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 22 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 22 interactions

- Test 3 - Accepted : ok Participant answered 87.3881 in 22 interactions
- Test 4 - Accepted : ok Participant answered 9.34462 in 22 interactions
- Test 5 - Accepted : ok Participant answered 33.1046 in 22 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 22 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 22 interactions
- Test 8 - Accepted : ok Participant answered 85.1173 in 22 interactions
- Test 9 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

Submission 138144590

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:17:01	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (abs(b - a) <= 1e-4) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7106 in 22 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 22 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 22 interactions

- Test 3 - Accepted : ok Participant answered 87.3881 in 22 interactions
- Test 4 - Accepted : ok Participant answered 9.34462 in 22 interactions
- Test 5 - Accepted : ok Participant answered 33.1046 in 22 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 22 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 22 interactions
- Test 8 - Accepted : ok Participant answered 85.1173 in 22 interactions
- Test 9 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

Submission 138144438

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:14:19	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 double query(double x) {
10     cout << "? " << x << endl;
11     double f;
12     cin >> f;
13     return f;
14 }
15
16 int main() {
17     ios::sync_with_stdio(false);
18     cin.tie(NULL);
19     cout.tie(NULL);
20     cin >> k;
21     double a = 1;
22     double b = 100;
23
24     while (b - a > 1e-4) {
25         double sol = (a + b) / 2;
26         if (query(sol) < k) {
27             a = sol;
28         } else
29             b = sol;
30     }
31
32     cout << "! " << (a + b) / 2 << endl;
33     return 0;
34 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 21 interactions
 - Test 3 - Accepted : ok Participant answered 87.3881 in 21 interactions

- Test 4 - Accepted : ok Participant answered 9.34462 in 21 interactions
- Test 5 - Accepted : ok Participant answered 33.1046 in 21 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 21 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Accepted : ok Participant answered 85.1173 in 21 interactions
- Test 9 - Accepted : ok Participant answered 35 in 21 interactions

Submission 138144375

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:13:16	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 double query(double x) {
10     cout << "? " << x << endl;
11     double f;
12     cin >> f;
13     return f;
14 }
15
16 int main() {
17     ios::sync_with_stdio(false);
18     cin.tie(NULL);
19     cout.tie(NULL);
20     cin >> k;
21     double a = 1;
22     double b = 100;
23
24     while (b - a > 1e-4) {
25         double sol = (a + b) / 2;
26         if (query(sol) < k) {
27             a = sol;
28         } else
29             b = sol;
30     }
31     return 0;
32 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 1 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 2 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 3 - Wrong Answer : wrong output format Unexpected end of file - token expected
 - Test 4 - Wrong Answer : wrong output format Unexpected end of file - token expected

- Test 5 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 6 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 7 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 8 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected
- Test 9 - [Wrong Answer](#) : wrong output format Unexpected end of file - token expected

Submission 138144192

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:10:28	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (!(abs(f - k) > 1e-6)) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 1 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=4237, memory=9576448, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3636, memory=5783552, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 4 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3432, memory=6418432, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 5 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=3548, memory=6688768, exit_code=0, signal=0, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : The checker ran into an unexpected error:
ExecutionResult(cpu_time=2000, real_time=4152, memory=9248768, exit_code=0, signal=24, exceed=<LimitExcess.CPU_TIME: 1>)
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Accepted** : ok Participant answered 35 in 21 interactions

Submission 138144168

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:10:01	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (!(abs(f - k) > 1e-4)) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 15 interactions

- Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
- Test 4 - Accepted : ok Participant answered 9.34459 in 23 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 18 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 19 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 21 interactions

Submission 138144153

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:09:50	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (!(abs(f - k) > 1e-4)) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 15 interactions

- Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
- Test 4 - Accepted : ok Participant answered 9.34459 in 23 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 18 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 19 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 21 interactions

Submission 138144046

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:07:50	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "? " << sol << endl;
19         double f;
20         cin >> f;
21         if (abs(f - k) <= 1e-4) {
22             cout << "! " << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633 in 15 interactions

- Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
- Test 4 - Accepted : ok Participant answered 9.34459 in 23 interactions
- Test 5 - Accepted : ok Participant answered 33.1045 in 18 interactions
- Test 6 - Accepted : ok Participant answered 66.3838 in 19 interactions
- Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
- Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
- Test 9 - Accepted : ok Participant answered 35 in 21 interactions

Submission 138144018

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:07:21	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "?" << sol << endl;
19         double f;
20         cin >> f;
21         if (abs(f - k) <= 1e-4) {
22             cout << "!" << sol << endl;
23             return 0;
24         } else {
25             if (f > k) {
26                 b = sol;
27                 sol = (a + b) / 2;
28             } else if (f < k) {
29                 a = sol;
30                 sol = (a + b) / 2;
31             }
32         }
33     }
34     return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 1 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 4 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138143858

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:04:40	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 double query(double t) {
8     cout << "? " << fixed << setprecision(10) << t << endl;
9     double ft;
10    cin >> ft;
11    return ft;
12 }
13
14 int main() {
15     ios::sync_with_stdio(false);
16     cin.tie(nullptr);
17     cout.tie(nullptr);
18
19     double k;
20     cin >> k;
21
22     double low = 0, high = 100;
23     while (high - low > 1e-6) {
24         double mid = (low + high) / 2;
25         if (query(mid) < k) {
26             low = mid;
27         } else {
28             high = mid;
29         }
30     }
31
32     cout << "!" << fixed << setprecision(10) << (low + high) / 2 << endl;
33
34     return 0;
35 }
36
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7106780261 in 28 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526214212 in 28 interactions
 - Test 2 - Accepted : ok Participant answered 95.0633648783 in 28 interactions

- Test 3 - Accepted : ok Participant answered 87.3880248517 in 28 interactions
- Test 4 - Accepted : ok Participant answered 9.3445871025 in 28 interactions
- Test 5 - Accepted : ok Participant answered 33.1045310944 in 28 interactions
- Test 6 - Accepted : ok Participant answered 66.3838554174 in 28 interactions
- Test 7 - Accepted : ok Participant answered 19.8206689209 in 28 interactions
- Test 8 - Accepted : ok Participant answered 85.1173546165 in 28 interactions
- Test 9 - Accepted : ok Participant answered 34.999997765 in 28 interactions

Submission 138143708

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 11:02:05	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 int k;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> k;
14     double a = 1;
15     double b = 100;
16     double sol = (a + b) / 2;
17     while (1) {
18         cout << "?" << sol << endl;
19         double f;
20         cin >> f;
21         if (abs(f - k) < 1e-4) {
22             cout << "!" << sol << endl;
23         } else {
24             if (f > k) {
25                 b = sol;
26                 sol = (a + b) / 2;
27             } else if (f < k) {
28                 a = sol;
29                 sol = (a + b) / 2;
30             }
31         }
32     }
33     return 0;
34 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 1 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected

- Test 2 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 3 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 4 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 5 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 6 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 7 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 8 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected
- Test 9 - **Time Limit Exceeded** : wrong output format Unexpected end of file - token expected

Submission 138125041

User	Time	Problem	Language	Verdict
a_fly_fish	2023/12/3 22:11:27	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2
3 using namespace std;
4
5 int main() {
6     long double k;
7     cin >> k;
8     long double start = 0;
9     long double end = 100;
10    long double mid = 50;
11    long double answer;
12    int flag = 0;
13    cout << '?' << mid << endl;
14    fflush(stdout);
15    for (int i = 0; i < 99; i++)
16    {
17        cin >> answer;
18        if (answer == k)
19        {
20            cout << '!' << mid;
21            fflush(stdout);
22            flag = 1;
23            break;
24        }
25        else if (answer > k)
26        {
27            end = mid;
28            mid = (start + end) / 2;
29            cout << '?' << mid << endl;
30            fflush(stdout);
31        }
32        else
33        {
34            start = mid;
35            mid = (start + end) / 2;
36            cout << '?' << mid << endl;
37            fflush(stdout);
38        }
39    }
40    if (flag == 0)
41        cout << '!' << mid;
42    return 0;
43 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 1 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 2 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 3 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 4 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 5 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 6 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 7 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 8 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected
 - Test 9 - [Time Limit Exceeded](#) : wrong output format Unexpected end of file - token expected

Submission 138117918

User	Time	Problem	Language	Verdict
asdf46	2023/12/3 21:25:36	Prophecy of Fontaine	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<algorithm>
3 using namespace std;
4 int main(){
5     double l=0.0,m,r=100.0,ans,tr;
6     cin>>ans;
7     while(m=(l+r)/2){
8         cout<<"? "<<m<<endl;
9         fflush(stdout);
10        cin>>tr;
11        if(ans-tr<0.0001&&ans-tr>-0.0001) break;
12        if(ans>tr) l=m;
13        else r=m;
14    }
15    cout<<"! "<<m<<endl;
16 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
 - Test 4 - Accepted : ok Participant answered 9.34458 in 21 interactions
 - Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
 - Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
 - Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
 - Test 8 - Time Limit Exceeded : wrong output format Unexpected end of file - token expected
 - Test 9 - Accepted : ok Participant answered 35 in 20 interactions

Submission 138094435

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 19:36:13	Prophecy of Fontaine	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const double emp=1e-4;
4 int main(){
5     double k;cin>>k;
6     double l=0.00,r=100.00,f;
7     int t=0;
8     while(r-l>emp&&t<=99){
9         double mid=(l+r)/2;
10        cout<<"? "<<mid<<'\n';
11        cout << flush;
12        cin>>f;
13        if(abs(f-k)<=emp){
14            l=r=mid;
15            break;
16        }
17        if(f>k){
18            r=mid;
19        }else l=mid;
20        t++;
21    }
22    cout<<"! "<<l<<'\n';cout<<flush;
23 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok Participant answered 70.7107 in 21 interactions
 - Test 1 - Accepted : ok Participant answered 30.8526 in 21 interactions
 - Test 2 - Accepted : ok Participant answered 95.0634 in 19 interactions
 - Test 3 - Accepted : ok Participant answered 87.388 in 20 interactions
 - Test 4 - Accepted : ok Participant answered 9.34458 in 21 interactions
 - Test 5 - Accepted : ok Participant answered 33.1045 in 20 interactions
 - Test 6 - Accepted : ok Participant answered 66.3839 in 20 interactions
 - Test 7 - Accepted : ok Participant answered 19.8207 in 21 interactions
 - Test 8 - Accepted : ok Participant answered 85.1173 in 21 interactions
 - Test 9 - Accepted : ok Participant answered 35 in 20 interactions

C. Puzzle in Inazuma

Submission Summary:

- Accepted: 10
- Tried: 177

Submission 139334378

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 18:30:16	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 n, m = map(int, input().split())
2 graph_value = {i: 0 for i in range(1, n + 1)}
3 graph_path = {i: [] for i in range(1, n + 1)}
4 graph_value[1] = 1
5
6
7 def build_graph(n, m):
8     for _ in range(m):
9         u, v = map(int, input().split())
10        graph_path[u].append(v)
11        graph_path[v].append(u)
12
13    l = [1]
14    visited = set()
15    while l or len(visited) < n:
16        current = l.pop(0)
17        visited.add(current)
18        for next in graph_path[current]:
19            if graph_value[next] == 0:
20                graph_value[next] = graph_value[current] + 1
21                l.append(next)
22
23    for i in range(1, max(graph_value.values())):
24        p_list = [key for key, val in graph_value.items() if val == i]
25        a_list = [key for key, val in graph_value.items() if val == i + 1]
26        for p in p_list:
27            if not all(a in graph_path[p] for a in a_list):
28                return "No"
29            if any(a in graph_path[a] for a in a_list):
30                return "No"
31
32    result = [str(graph_value[i]) for i in range(2, n + 1)]
33    return f"Yes\n{' '.join(result)}"
34
35
36 print(build_graph(n, m))
37
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct

- Test 2 - Accepted : ok OK, participant's solution is correct
- Test 3 - Accepted : ok OK, participant's solution is correct
- Test 4 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
- Test 5 - Time Limit Exceeded :
- Test 6 - Accepted : ok OK, participant's solution is correct
- Test 7 - Time Limit Exceeded :
- Test 8 - Time Limit Exceeded :
- Test 9 - Time Limit Exceeded :
- Test 10 - Time Limit Exceeded :
- Test 11 - Time Limit Exceeded :
- Test 12 - Time Limit Exceeded :
- Test 13 - Time Limit Exceeded :
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 139333638

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 18:24:12	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 n, m = map(int, input().split())
2 graph_path = {i: [] for i in range(1, n + 1)}
3 visited = {i: False for i in range(1, n + 1)}
4
5 def build_graph(n, m):
6     for _ in range(m):
7         u, v = map(int, input().split())
8         graph_path[u].append(v)
9         graph_path[v].append(u)
10
11 def has_cycle(current, parent):
12     visited[current] = True
13     for neighbor in graph_path[current]:
14         if not visited[neighbor]:
15             if has_cycle(neighbor, current):
16                 return True
17             elif parent != neighbor:
18                 return True
19     return False
20
21 if has_cycle(1, -1):
22     return "No"
23
24 queue = [1]
25 distance = {i: -1 for i in range(1, n + 1)}
26 distance[1] = 0
27
28 while queue:
29     current = queue.pop(0)
30     for neighbor in graph_path[current]:
31         if distance[neighbor] == -1:
32             distance[neighbor] = distance[current] + 1
33             queue.append(neighbor)
34
35 result = [str(distance[i]) for i in range(2, n + 1)]
36 return f"Yes\n{' '.join(result)}"
37
38 print(build_graph(n, m))
39
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - **Wrong Answer** : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Wrong Answer** : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 2]
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Runtime Error** :
 - Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 139333143

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 18:20:43	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 n, m = map(int, input().split())
2 graph_value = {i: 0 for i in range(1, n + 1)}
3 graph_path = {i: [] for i in range(1, n + 1)}
4 graph_value[1] = 1
5
6
7 def build_graph(n, m):
8     for _ in range(m):
9         u, v = map(int, input().split())
10        graph_path[u].append(v)
11        graph_path[v].append(u)
12
13    l = [1]
14    while l:
15        current = l.pop(0)
16        for next in graph_path[current]:
17            if graph_value[next] == 0:
18                graph_value[next] = graph_value[current] + 1
19                l.append(next)
20
21    for i in range(1, max(graph_value.values())):
22        p_list = [key for key, val in graph_value.items() if val == i]
23        a_list = [key for key, val in graph_value.items() if val == i + 1]
24        for p in p_list:
25            if not all(a in graph_path[p] for a in a_list):
26                return "No"
27            if any(a in graph_path[a] for a in a_list):
28                return "No"
29
30    result = [str(graph_value[i]) for i in range(2, n + 1)]
31    return f"Yes\n{' '.join(result)}"
32
33
34 print(build_graph(n, m))
35
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct

- Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
- Test 5 - **Time Limit Exceeded** :
- Test 6 - **Accepted** : ok OK, participant's solution is correct
- Test 7 - **Time Limit Exceeded** :
- Test 8 - **Time Limit Exceeded** :
- Test 9 - **Time Limit Exceeded** :
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Time Limit Exceeded** :
- Test 12 - **Time Limit Exceeded** :
- Test 13 - **Time Limit Exceeded** :
- Test 14 - **Accepted** : ok OK, participant's solution is correct
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139332136

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 18:13:18	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 n, m = map(int, input().split())
2 graph_value = {i: 0 for i in range(1, n + 1)}
3 graph_path = {i: [] for i in range(1, n + 1)}
4 graph_value[1] = 1
5
6
7 def build_graph(n, m):
8     for _ in range(m):
9         u, v = map(int, input().split())
10        graph_path[u].append(v)
11        graph_path[v].append(u)
12
13    l = [1]
14    while l:
15        current = l.pop(0)
16        for next in graph_path[current]:
17            if graph_value[next] == 0:
18                graph_value[next] = graph_value[current] + 1
19                l.append(next)
20
21    for i in range(1, max(graph_value.values())):
22        p_list = [key for key, val in graph_value.items() if val == i]
23        a_list = [key for key, val in graph_value.items() if val == i + 1]
24        for p in p_list:
25            if not all(a in graph_path[p] for a in a_list):
26                return "No"
27
28    result = [str(graph_value[i]) for i in range(2, n + 1)]
29    return f"Yes\n{' '.join(result)}"
30
31
32 print(build_graph(n, m))
33
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct

- Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
- Test 5 - **Time Limit Exceeded** :
- Test 6 - **Accepted** : ok OK, participant's solution is correct
- Test 7 - **Time Limit Exceeded** :
- Test 8 - **Time Limit Exceeded** :
- Test 9 - **Time Limit Exceeded** :
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Time Limit Exceeded** :
- Test 12 - **Time Limit Exceeded** :
- Test 13 - **Time Limit Exceeded** :
- Test 14 - **Accepted** : ok OK, participant's solution is correct
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139330489

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 18:00:09	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 n, m = map(int, input().split())
2 graph_value = {i: 0 for i in range(1, n + 1)}
3 graph_path = {i: [] for i in range(1, n + 1)}
4 graph_value[1] = 1
5
6
7 def build_graph(n, m):
8     for _ in range(m):
9         u, v = map(int, input().split())
10        graph_path[u].append(v)
11        graph_path[v].append(u)
12
13    bfs(1)
14
15    for i in range(1, max(graph_value.values())):
16        p_list = [key for key, val in graph_value.items() if val == i]
17        a_list = [key for key, val in graph_value.items() if val == i + 1]
18        for p in p_list:
19            if not all(a in graph_path[p] for a in a_list):
20                return "No"
21
22    result = [str(graph_value[i]) for i in range(2, n + 1)]
23    return f"Yes\n{' '.join(result)}"
24
25
26 def bfs(v):
27     for current in graph_path[v]:
28         if graph_value[current] == 0:
29             graph_value[current] = graph_value[v] + 1
30             bfs(current)
31
32
33 print(build_graph(n, m))
34
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer The 3-th number is 2, but participant claims it is 4
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
 - Test 3 - Accepted : ok OK, participant's solution is correct

- Test 4 - Accepted : ok OK, participant's solution is correct
- Test 5 - Runtime Error :
- Test 6 - Runtime Error :
- Test 7 - Runtime Error :
- Test 8 - Runtime Error :
- Test 9 - Runtime Error :
- Test 10 - Runtime Error :
- Test 11 - Runtime Error :
- Test 12 - Runtime Error :
- Test 13 - Runtime Error :
- Test 14 - Runtime Error :
- Test 15 - Runtime Error :
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Wrong Answer : wrong answer The 1-th number is 2, but participant claims it is 4
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 139324034

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 17:20:13	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 def build_graph(n, m):
2     graph_value = {i: 0 for i in range(1, n + 1)}
3     graph_path = {i: [] for i in range(1, n + 1)}
4     graph_value[1] = 1
5
6     for _ in range(m):
7         u, v = map(int, input().split())
8         graph_path[u].append(v)
9         graph_path[v].append(u)
10        # if graph_value[u] == 0 and graph_value[v] != 0:
11        #     graph_value[u] = graph_value[v] + 1
12        # elif graph_value[v] == 0 and graph_value[u] != 0:
13        #     graph_value[v] = graph_value[u] + 1
14
15    for current in graph_path:
16        for next in graph_path[current]:
17            if graph_value[next] == 0:
18                graph_value[next] = graph_value[current] + 1
19
20    for i in range(1, max(graph_value.values())):
21        p_list = [key for key, val in graph_value.items() if val == i]
22        a_list = [key for key, val in graph_value.items() if val == i + 1]
23        for p in p_list:
24            if not all(a in graph_path[p] for a in a_list):
25                return "No"
26
27    result = [str(graph_value[i]) for i in range(2, n + 1)]
28    return f"Yes\n{' '.join(result)}"
29
30
31 n, m = map(int, input().split())
32 print(build_graph(n, m))
33
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct

- Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 10 - **Accepted** : ok OK, participant's solution is correct
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 139273186

User	Time	Problem	Language	Verdict
cluelx	2023/12/12 00:39:29	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //60分(超内存)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     int n , m;
9     //n, m, 代表点的数量和边染的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12    vector<vector<int>> matrix(n, vector<int>(n, 0));
13
14    //邻接矩阵赋值
15    for(int i = 0;i<m;i++){
16        int u,v;
17        cin>>u>>v;
18        matrix[u-1][v-1] = 1;
19        matrix[v-1][u-1] = 1;
20
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29    vector<int>node_arr(n);
30    vector<int>visit_arr(n);
31    node_arr[0] = 1;
32    visit_arr[0] = 1;
33    // int flag = 0;
34
35    //广度优先遍历
36    vector<int>query_arr(n);
37    query_arr.push_back(0);
38    //存放勾玉数为i的数量
39    vector<int> gouyu(n+1);
40    gouyu[1]=1;
41
42
43    while (query_arr.size()>0)
44    {
45        for(int i = 0;i<n;i++){
```

```

46         //与flag点相连接并且该点未被访问过
47         if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
48             query_arr.push_back(i);
49             node_arr[i] = node_arr[query_arr[0]]+1;
50             visit_arr[i] = 1;
51             gouyu[node_arr[i]]+=1;
52
53         }
54     }
55     //flag = flag + 1;
56     query_arr.erase(query_arr.begin());
57
58 }
59 //找最大值
60 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
61 int bian_lost = m;
62
63
64 //相同勾玉值得点互相不能连接
65 // for(int i = 1;i < *maxElement;i++){
66 //     vector<int> a;
67 //     //对node_arr循环，找勾玉值为i的所有结点
68 //     for(int j = 0;j<n;j++){
69 //         if(node_arr[j]==i){
70 //             a.push_back(j);
71 //             //cout<<"a"<<j;
72 //         }
73 //     }
74 //     for(int j =0;j<a.size();j++){
75 //         for(int k =j;k<a.size();k++){
76 //             if(matrix[a[j]][a[k]]==1){
77 //                 //cout<<"j"<<j<<"k"<<k;
78 //                 cout<<"no"<<endl;
79 //                 return 0;
80 //             }
81 //         }
82 //     }
83 // }
84 //}
85
86 for(int i = 1;i < *maxElement;i++){
87     vector<int> a;
88     //vector<int> b;
89     //对node_arr循环，找勾玉值为i的所有结点
90     for(int j = 0;j<n;j++){
91         if(node_arr[j]==i){
92             a.push_back(j);
93             // cout<<"a"<<j;
94         }
95     }
96     //找勾玉值为i+1的所有结点
97     // for(int k = 0;k<n;k++){
98     //     if(node_arr[k]==i+1){
99     //         b.push_back(k);
100 //         //cout<<"b"<<k;
101 //     }

```

```
102 // }
103 // int a_len = a.size();
104 // int b_len = b.size();
105 int a_len = gouyu[i];
106 int b_len = gouyu[i+1];
107
108
109 //相同勾玉值得点互相不能连接
110
111 for(int j = 0;j<a_len;j++){
112     for(int k = j;k<a_len;k++){
113         if(matrix[a[j]][a[k]]==1){
114             //cout<<"j"<<j<<"k"<<k;
115             cout<<"no"<<endl;
116             return 0;
117         }
118     }
119 }
120 //bian_lost -= a_len;
121 if(bian_lost < a_len*b_len){
122     cout<<"no";
123     return 0 ;
124 }
125 else{
126     bian_lost -= a_len*b_len;
127 }
128 }
129
130 // for(int i = 2;i < *maxElement;i++){
131 //     vector<int> a;
132 //     vector<int> b;
133 //     //对node_arr循环，找勾玉值为i的所有结点
134
135 //     for(int j = 0;j<n;j++){
136 //         if(node_arr[j]==i){
137 //             a.push_back(j);
138 //             // cout<<"a"<<j;
139
140 //         }
141 //     }
142 //     for(int k = 0;k<n;k++){
143 //         if(node_arr[k]==i+1){
144 //             b.push_back(k);
145 //             //cout<<"b"<<k;
146 //         }
147 //     }
148 //     // cout<<"size"<<a.size();
149 //     for(int s =0;s<a.size();s++){
150 //         for(int t =0;t<b.size();t++){
151 //             //cout<<"s"<<s<<"t"<<t<<endl;
152
153 //             if(matrix[a[s]][b[t]]!=1){
154 //                 cout<<"no";
155 //                 return 0;
156 //             }
157 //         }
158 }
```

```

158     //      }
159     // }
160
161
162
163
164     // for(int i = 2;i <= *maxElement;i++){
165     //     for(int j =0;j<n;j++){
166     //         for(int k =0;k<n;k++){
167     //             if (node_arr[j] == i && node_arr[k] == i + 1 &&
168     //                 matrix[j][k] != 1) {
169     //                 cout << "no";
170     //                 return 0;
171     //             }
172     //         }
173     //     }
174
175
176
177     // for(int i = 0;i<n;i++){
178     //     for(int j = 0;j<n;j++){
179     //         cout<<matrix[i][j];
180     //     }
181     //     cout<<endl;
182     // }
183
184     cout<<"yes"<<endl;
185     for(int k =1;k<n;k++){
186         cout<<node_arr[k]<<" ";
187     }
188
189     return 0;
190 }
191

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :

- Test 11 - **Memory Limit Exceeded** :
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Memory Limit Exceeded** :
- Test 14 - **Accepted** : ok OK, participant's solution is correct
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139273063

User	Time	Problem	Language	Verdict
cluelx	2023/12/12 00:33:56	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2 //12.12 55分 (更改了存储矩阵)
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 #include<array>
7 #include <queue>
8
9 using namespace std;
10 //const long long P = 100000000;
11
12 int main(){
13     int n , m;
14     //n, m, 代表点的数量和边的数量
15     //n = 5;m=6;
16     cin>>n>>m;
17     //vector<vector<int>> list(m, vector<int>(2));
18     vector<vector<int>> list(n+1);
19     //第一行空着
20
21     for(int i = 0;i<m;i++){
22         int u,v;
23         cin>>u>>v;
24         // if(v<u){
25         //     int temp = v;
26         //     v = u;
27         //     u = temp;
28         // }
29         list[u].push_back(v);
30         list[v].push_back(u);
31     }
32
33
34     // for(int i =0;i<n+1;i++){
35     //     for(int j =0;j<list[i].size();j++){
36     //         cout<<list[i][j];
37     //     }
38     //     cout<<endl;
39     // }
40
41
42     vector<int>node_arr(n+1);
43     vector<int>visit_arr(n+1);
44     node_arr[1] = 1;
45     visit_arr[1] = 1;
```

```

46
47     //vector<int>query_arr(n+1);
48     std::queue<int> myQueue;
49     myQueue.push(1);
50     //query_arr.push_back(1);
51
52     //存放勾玉数为i的数量
53     vector<int> gouyu(n+1);
54     gouyu[1]=1;
55
56     //while (query_arr.size()>0)
57     while (!myQueue.empty())
58     {
59         //int front = query_arr[0];
60         int front = myQueue.front();
61         //int index =
62         for(int i =0;i<list[front].size();i++){
63             int num = list[front][i];
64             if(visit_arr[num] != 1){
65                 myQueue.push(num);
66                 visit_arr[num] = 1;
67                 node_arr[num] = node_arr[front]+1;
68                 gouyu[node_arr[num]]+=1;
69             }
70         }
71
72         // for(int i =0;i<m;i++){
73         //     int f = list[i][0];
74         //     int b = list[i][1];
75         //     if(f == front && visit_arr[b] != 1){
76         //         //query_arr.push_back(b);
77         //         myQueue.push(b);
78         //         visit_arr[b] = 1;
79         //         node_arr[b] = node_arr[front]+1;
80
81         //     }
82         //     else if(b == front && visit_arr[f] != 1){
83         //         //query_arr.push_back(f);
84         //         myQueue.push(f);
85         //         visit_arr[f] = 1;
86         //         node_arr[f] = node_arr[front]+1;
87         //     }
88         // }
89         myQueue.pop();
90     }
91
92     // for(int i=0;i<gouyu.size();i++){
93     //     cout<<gouyu[i]<<endl;
94     // }
95
96     auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
97     //剩下的边
98     int bian_lost = m;
99
100    for(int i = 1;i < *maxElement;i++){

```

```
102     // vector<int> a;
103     // vector<int> b;
104     // //对node_arr循环，找勾玉值为i的所有结点
105     // for(int j = 1;j<n+1;j++){
106     //     if(node_arr[j]==i){
107     //         a.push_back(j);
108     //         // cout<<"a"<<j;
109     //     }
110     // }
111     // //找勾玉值为i+1的所有结点
112     // for(int k = 1;k<n+1;k++){
113     //     if(node_arr[k]==i+1){
114     //         b.push_back(k);
115     //         //cout<<"b"<<k;
116     //     }
117     // }
118     // int a_len = a.size();
119     // int b_len = b.size();
120
121     int a_len = gouyu[i];
122     int b_len = gouyu[i+1];
123
124
125     //bian_lost -= a_len;
126     if(bian_lost < a_len*b_len){
127         cout<<"no";
128         return 0 ;
129     }
130     else{
131         bian_lost -= a_len*b_len;
132     }
133 }
134
135
136
137     // for(int i = 0;i<n;i++){
138     //     for(int j = 0;j<n;j++){
139     //         cout<<matrix[i][j];
140     //     }
141     //     cout<<endl;
142     // }
143
144     cout<<"yes"<<endl;
145     for(int k =2;k<n+1;k++){
146         cout<<node_arr[k]<<" ";
147     }
148
149     return 0;
150 }
151 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Accepted** : ok OK, participant's solution is correct
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Accepted** : ok OK, participant's solution is correct
 - Test 8 - **Accepted** : ok OK, participant's solution is correct
 - Test 9 - **Accepted** : ok OK, participant's solution is correct
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Accepted** : ok OK, participant's solution is correct
 - Test 13 - **Accepted** : ok OK, participant's solution is correct
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139272822

User	Time	Problem	Language	Verdict
cluelx	2023/12/12 00:24:12	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2 //12.12 55分 (更改了存储矩阵)
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 #include<array>
7 #include <queue>
8
9 using namespace std;
10 //const long long P = 100000000;
11
12 int main(){
13     int n , m;
14     //n, m, 代表点的数量和边的数量
15     //n = 5;m=6;
16     cin>>n>>m;
17     //vector<vector<int>> list(m, vector<int>(2));
18     vector<vector<int>> list(n+1);
19     //第一行空着
20
21     for(int i = 0;i<m;i++){
22         int u,v;
23         cin>>u>>v;
24         // if(v<u){
25         //     int temp = v;
26         //     v = u;
27         //     u = temp;
28         // }
29         list[u].push_back(v);
30         list[v].push_back(u);
31     }
32
33
34     // for(int i =0;i<n+1;i++){
35     //     for(int j =0;j<list[i].size();j++){
36     //         cout<<list[i][j];
37     //     }
38     //     cout<<endl;
39     // }
40
41
42     vector<int>node_arr(n+1);
43     vector<int>visit_arr(n+1);
44     node_arr[1] = 1;
45     visit_arr[1] = 1;
```

```

46
47     //vector<int>query_arr(n+1);
48     std::queue<int> myQueue;
49     myQueue.push(1);
50     //query_arr.push_back(1);
51
52     //while (query_arr.size()>0)
53     while (!myQueue.empty())
54     {
55         //int front = query_arr[0];
56         int front = myQueue.front();
57         //int index =
58         for(int i =0;i<list[front].size();i++){
59             int num = list[front][i];
60             if(visit_arr[num] != 1){
61                 myQueue.push(num);
62                 visit_arr[num] = 1;
63                 node_arr[num] = node_arr[front]+1;
64
65             }
66         }
67
68         // for(int i =0;i<m;i++){
69         //     int f = list[i][0];
70         //     int b = list[i][1];
71         //     if(f == front && visit_arr[b] != 1){
72         //         //query_arr.push_back(b);
73         //         myQueue.push(b);
74         //         visit_arr[b] = 1;
75         //         node_arr[b] = node_arr[front]+1;
76
77         //     }
78         //     else if(b == front && visit_arr[f] != 1){
79         //         //query_arr.push_back(f);
80         //         myQueue.push(f);
81         //         visit_arr[f] = 1;
82         //         node_arr[f] = node_arr[front]+1;
83         //     }
84     }
85     myQueue.pop();
86 }
87
88
89
90     auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
91     //剩下的边
92     int bian_lost = m;
93
94
95     for(int i = 1;i < *maxElement;i++){
96         vector<int> a;
97         vector<int> b;
98         //对node_arr循环，找勾玉值为i的所有结点
99         for(int j = 1;j<n+1;j++){
100             if(node_arr[j]==i){
101                 a.push_back(j);

```

```

102         // cout<<"a"<<j;
103     }
104 }
105 //找勾玉值为i+1的所有结点
106 for(int k = 1;k<n+1;k++){
107     if(node_arr[k]==i+1){
108         b.push_back(k);
109         //cout<<"b"<<k;
110     }
111 }
112 int a_len = a.size();
113 int b_len = b.size();
114
115
116
117 //bian_lost -= a_len;
118 if(bian_lost < a_len*b_len){
119     cout<<"no";
120     return 0 ;
121 }
122 else{
123     bian_lost -= a_len*b_len;
124 }
125 }
126
127
128
129 // for(int i = 0;i<n;i++){
130 //     for(int j = 0;j<n;j++){
131 //         cout<<matrix[i][j];
132 //     }
133 //     cout<<endl;
134 // }
135
136 cout<<"yes"<<endl;
137 for(int k =2;k<n+1;k++){
138     cout<<node_arr[k]<<" ";
139 }
140
141 return 0;
142 }
143

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has

- Test 5 - **Time Limit Exceeded** :
- Test 6 - **Accepted** : ok OK, participant's solution is correct
- Test 7 - **Time Limit Exceeded** :
- Test 8 - **Time Limit Exceeded** :
- Test 9 - **Time Limit Exceeded** :
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Time Limit Exceeded** :
- Test 12 - **Time Limit Exceeded** :
- Test 13 - **Time Limit Exceeded** :
- Test 14 - **Accepted** : ok OK, participant's solution is correct
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139272270

User	Time	Problem	Language	Verdict
cluelx	2023/12/12 00:09:30	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //45分
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     int n , m;
9     //n, m, 代表点的数量和边染的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12    vector<vector<int>> matrix(n, vector<int>(n, 0));
13
14    //邻接矩阵赋值
15    for(int i = 0;i<m;i++){
16        int u,v;
17        cin>>u>>v;
18        matrix[u-1][v-1] = 1;
19        matrix[v-1][u-1] = 1;
20
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29    vector<int>node_arr(n);
30    vector<int>visit_arr(n);
31    node_arr[0] = 1;
32    visit_arr[0] = 1;
33    // int flag = 0;
34
35    //广度优先遍历
36    vector<int>query_arr(n);
37    query_arr.push_back(0);
38
39    while (query_arr.size()>0)
40    {
41        for(int i = 0;i<n;i++){
42            //与flag点相连接并且该点未被访问过
43            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
44                query_arr.push_back(i);
45                node_arr[i] = node_arr[query_arr[0]]+1;
46            }
47        }
48    }
49}
```

```

46             visit_arr[i] = 1;
47         }
48     }
49     //flag = flag + 1;
50     query_arr.erase(query_arr.begin());
51
52 }
53 //找最大值
54 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
55 int bian_lost = m;
56
57
58 //相同勾玉值得点互相不能连接
59 // for(int i = 1;i < *maxElement;i++){
60 //     vector<int> a;
61 //     //对node_arr循环，找勾玉值为i的所有结点
62 //     for(int j = 0;j<n;j++){
63 //         if(node_arr[j]==i){
64 //             a.push_back(j);
65 //             //cout<<"a"<<j;
66 //         }
67 //     }
68 //     for(int j =0;j<a.size();j++){
69 //         for(int k =j;k<a.size();k++){
70 //             if(matrix[a[j]][a[k]]==1){
71 //                 //cout<<"j"<<j<<"k"<<k;
72 //                 cout<<"no"<<endl;
73 //                 return 0;
74 //             }
75 //         }
76 //     }
77 //}
78
79 for(int i = 1;i < *maxElement;i++){
80     vector<int> a;
81     vector<int> b;
82     //对node_arr循环，找勾玉值为i的所有结点
83     for(int j = 0;j<n;j++){
84         if(node_arr[j]==i){
85             a.push_back(j);
86             // cout<<"a"<<j;
87         }
88     }
89     //找勾玉值为i+1的所有结点
90     for(int k = 0;k<n;k++){
91         if(node_arr[k]==i+1){
92             b.push_back(k);
93             //cout<<"b"<<k;
94         }
95     }
96     int a_len = a.size();
97     int b_len = b.size();
98     //相同勾玉值得点互相不能连接
99
100    for(int j =0;j<a_len;j++){
101        for(int k = j;k<a_len;k++){

```

```
102             if(matrix[a[j]][a[k]]==1){
103                 //cout<<"j"<<j<<"k"<<k;
104                 cout<<"no"<<endl;
105                 return 0;
106             }
107         }
108     }
109     //bian_lost -= a_len;
110     if(bian_lost < a_len*b_len){
111         cout<<"no";
112         return 0 ;
113     }
114     else{
115         bian_lost -= a_len*b_len;
116     }
117 }
118
119 // for(int i = 2;i < *maxElement;i++){
120 //     vector<int> a;
121 //     vector<int> b;
122 //     //对node_arr循环，找勾玉值为i的所有结点
123
124     // for(int j = 0;j<n;j++){
125     //     if(node_arr[j]==i){
126     //         a.push_back(j);
127     //         // cout<<"a"<<j;
128
129     //     }
130     // }
131     // for(int k = 0;k<n;k++){
132     //     if(node_arr[k]==i+1){
133     //         b.push_back(k);
134     //         //cout<<"b"<<k;
135     //     }
136     // }
137     // cout<<"size"<<a.size();
138     // for(int s =0;s<a.size();s++){
139     //     for(int t =0;t<b.size();t++){
140     //         //cout<<"s"<<s<<"t"<<t<<endl;
141
142         // if(matrix[a[s]][b[t]]!=1{
143             cout<<"no";
144             return 0;
145         }
146     }
147 }
148 //}
149
150
151
152
153 // for(int i = 2;i <= *maxElement;i++){
154 //     for(int j =0;j<n;j++){
155 //         for(int k =0;k<n;k++){
156 //             if (node_arr[j] == i && node_arr[k] == i + 1 &&
matrix[j][k] != 1) {
```

```

157     //           cout << "no";
158     //           return 0;
159     //}
160     //}
161     //}
162 }
163
164
165
166     // for(int i = 0;i<n;i++){
167     //     for(int j = 0;j<n;j++){
168     //         cout<<matrix[i][j];
169     //     }
170     //     cout<<endl;
171     //}
172
173     cout<<"yes"<<endl;
174     for(int k =1;k<n;k++){
175         cout<<node_arr[k]<<" ";
176     }
177
178     return 0;
179 }
180

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct

- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 139272029

User	Time	Problem	Language	Verdict
cluelx	2023/12/12 00:04:01	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //45分
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     long long n , m;
9     //n, m, 代表点的数量和边染的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
13
14    //邻接矩阵赋值
15    for(long long i = 0;i<m;i++){
16        long long u,v;
17        cin>>u>>v;
18        matrix[u-1][v-1] = 1;
19        matrix[v-1][u-1] = 1;
20
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29    vector<long long>node_arr(n);
30    vector<long long>visit_arr(n);
31    node_arr[0] = 1;
32    visit_arr[0] = 1;
33    // long long flag = 0;
34
35    //广度优先遍历
36    vector<long long>query_arr(n);
37    query_arr.push_back(0);
38
39    while (query_arr.size()>0)
40    {
41        for(long long i = 0;i<n;i++){
42            //与flag点相连接并且该点未被访问过
43            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
44                query_arr.push_back(i);
45                node_arr[i] = node_arr[query_arr[0]]+1;
46            }
47        }
48    }
49}
```

```
46             visit_arr[i] = 1;
47         }
48     }
49     //flag = flag + 1;
50     query_arr.erase(query_arr.begin());
51
52 }
53 //找最大值
54 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
55 int bian_lost = m;
56
57
58 //相同勾玉值得点互相不能连接
59 // for(int i = 1;i < *maxElement;i++){
60 //     vector<int> a;
61 //     //对node_arr循环，找勾玉值为i的所有结点
62 //     for(int j = 0;j<n;j++){
63 //         if(node_arr[j]==i){
64 //             a.push_back(j);
65 //             //cout<<"a"<<j;
66 //         }
67 //     }
68 //     for(int j =0;j<a.size();j++){
69 //         for(int k =j;k<a.size();k++){
70 //             if(matrix[a[j]][a[k]]==1){
71 //                 //cout<<"j"<<j<<"k"<<k;
72 //                 cout<<"no"<<endl;
73 //                 return 0;
74 //             }
75 //         }
76 //     }
77 //}
78
79 for(int i = 1;i < *maxElement;i++){
80     vector<int> a;
81     vector<int> b;
82     //对node_arr循环，找勾玉值为i的所有结点
83     for(int j = 0;j<n;j++){
84         if(node_arr[j]==i){
85             a.push_back(j);
86             // cout<<"a"<<j;
87         }
88     }
89     //找勾玉值为i+1的所有结点
90     for(int k = 0;k<n;k++){
91         if(node_arr[k]==i+1){
92             b.push_back(k);
93             //cout<<"b"<<k;
94         }
95     }
96     int a_len = a.size();
97     int b_len = b.size();
98     //相同勾玉值得点互相不能连接
99
100    for(int j =0;j<a_len;j++){
101        for(int k = j;k<a_len;k++){
```

```
102             if(matrix[a[j]][a[k]]==1){
103                 //cout<<"j"<<j<<"k"<<k;
104                 cout<<"no"<<endl;
105                 return 0;
106             }
107         }
108     }
109     //bian_lost -= a_len;
110     if(bian_lost < a_len*b_len){
111         cout<<"no";
112         return 0 ;
113     }
114     else{
115         bian_lost -= a_len*b_len;
116     }
117 }
118
119 // for(long long i = 2;i < *maxElement;i++){
120 //     vector<long long> a;
121 //     vector<long long> b;
122 //     //对node_arr循环，找勾玉值为i的所有结点
123
124     // for(long long j = 0;j<n;j++){
125     //     if(node_arr[j]==i){
126     //         a.push_back(j);
127     //         // cout<<"a"<<j;
128
129     //     }
130     // }
131     // for(long long k = 0;k<n;k++){
132     //     if(node_arr[k]==i+1){
133     //         b.push_back(k);
134     //         //cout<<"b"<<k;
135     //     }
136     // }
137     // // cout<<"size"<<a.size();
138     // for(long long s =0;s<a.size();s++){
139     //     for(long long t =0;t<b.size();t++){
140     //         //cout<<"s"<<s<<"t"<<t<<endl;
141
142         // if(matrix[a[s]][b[t]]!=1){
143             cout<<"no";
144             return 0;
145         }
146     }
147 }
148 //}
149
150
151
152
153 // for(long long i = 2;i <= *maxElement;i++){
154 //     for(long long j =0;j<n;j++){
155 //         for(long long k =0;k<n;k++){
156 //             if (node_arr[j] == i && node_arr[k] == i + 1 &&
matrix[j][k] != 1) {
```

```

157     //           cout << "no";
158     //           return 0;
159     //}
160     //}
161     //}
162 }
163
164
165
166     // for(long long i = 0;i<n;i++){
167     //     for(long long j = 0;j<n;j++){
168     //         cout<<matrix[i][j];
169     //     }
170     //     cout<<endl;
171     //}
172
173     cout<<"yes"<<endl;
174     for(long long k =1;k<n;k++){
175         cout<<node_arr[k]<<" ";
176     }
177
178     return 0;
179 }
180

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Memory Limit Exceeded](#) :
 - Test 15 - [Memory Limit Exceeded](#) :
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct

- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 139271825

User	Time	Problem	Language	Verdict
cluelx	2023/12/11 23:59:10	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //45分
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     long long n , m;
9     //n, m, 代表点的数量和边染的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
13
14    //邻接矩阵赋值
15    for(long long i = 0;i<m;i++){
16        long long u,v;
17        cin>>u>>v;
18        matrix[u-1][v-1] = 1;
19        matrix[v-1][u-1] = 1;
20
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29    vector<long long>node_arr(n);
30    vector<long long>visit_arr(n);
31    node_arr[0] = 1;
32    visit_arr[0] = 1;
33    // long long flag = 0;
34
35    //广度优先遍历
36    vector<long long>query_arr(n);
37    query_arr.push_back(0);
38
39    while (query_arr.size()>0)
40    {
41        for(long long i = 0;i<n;i++){
42            //与flag点相连接并且该点未被访问过
43            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
44                query_arr.push_back(i);
45                node_arr[i] = node_arr[query_arr[0]]+1;
46            }
47        }
48    }
49}
```

```

46             visit_arr[i] = 1;
47         }
48     }
49     //flag = flag + 1;
50     query_arr.erase(query_arr.begin());
51
52 }
53 //找最大值
54 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
55
56 //相同勾玉值得点互相不能连接
57 for(int i = 1;i < *maxElement;i++){
58     vector<int> a;
59     //对node_arr循环，找勾玉值为i的所有结点
60     for(int j = 0;j<n;j++){
61         if(node_arr[j]==i){
62             a.push_back(j);
63             //cout<<"a"<<j;
64         }
65     }
66     for(int j = 0;j<a.size();j++){
67         for(int k = j;k<a.size();k++){
68             if(matrix[a[j]][a[k]]==1){
69                 //cout<<"j"<<j<<"k"<<k;
70                 cout<<"no"<<endl;
71                 return 0;
72             }
73         }
74     }
75 }
76
77 for(long long i = 2;i < *maxElement;i++){
78     vector<long long> a;
79     vector<long long> b;
80     //对node_arr循环，找勾玉值为i的所有结点
81
82     for(long long j = 0;j<n;j++){
83         if(node_arr[j]==i){
84             a.push_back(j);
85             // cout<<"a"<<j;
86
87         }
88     }
89     for(long long k = 0;k<n;k++){
90         if(node_arr[k]==i+1){
91             b.push_back(k);
92             //cout<<"b"<<k;
93         }
94     }
95     // cout<<"size"<<a.size();
96     for(long long s = 0;s<a.size();s++){
97         for(long long t = 0;t<b.size();t++){
98             //cout<<"s"<<s<<"t"<<t<<endl;
99
100            if(matrix[a[s]][b[t]]!=1){
101                cout<<"no";

```

```

102             return 0;
103         }
104     }
105 }
106 }
107
108
109
110
111 // for(long long i = 2;i <= *maxElement;i++){
112 //     for(long long j =0;j<n;j++){
113 //         for(long long k =0;k<n;k++){
114 //             if (node_arr[j] == i && node_arr[k] == i + 1 &&
115 //                 matrix[j][k] != 1) {
116 //                 cout << "no";
117 //                 return 0;
118 //             }
119 //         }
120 //     }
121
122
123
124 for(long long i = 0;i<n;i++){
125     for(long long j = 0;j<n;j++){
126         cout<<matrix[i][j];
127     }
128     cout<<endl;
129 }
130
131 cout<<"yes"<<endl;
132 for(long long k =1;k<n;k++){
133     cout<<node_arr[k]<< " ";
134 }
135
136 return 0;
137 }
138

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "01010", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 1 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "01000", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "01", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :

- Test 6 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "00000000000000000000000000000000...00000000000000000000000000000000", doesn't correspond to pattern "[a-zA-Z]+"
- Test 7 - [Memory Limit Exceeded](#) :
- Test 8 - [Memory Limit Exceeded](#) :
- Test 9 - [Memory Limit Exceeded](#) :
- Test 10 - [Memory Limit Exceeded](#) :
- Test 11 - [Memory Limit Exceeded](#) :
- Test 12 - [Memory Limit Exceeded](#) :
- Test 13 - [Memory Limit Exceeded](#) :
- Test 14 - [Memory Limit Exceeded](#) :
- Test 15 - [Memory Limit Exceeded](#) :
- Test 16 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "00000000000000000000000000000000...00000000000000000000000000000000", doesn't correspond to pattern "[a-zA-Z]+"
- Test 17 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "000000000000100000000000010000...00001000000000000000000000000000", doesn't correspond to pattern "[a-zA-Z]+"
- Test 18 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "01010011", doesn't correspond to pattern "[a-zA-Z]+"
- Test 19 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "000001001000100100000011", doesn't correspond to pattern "[a-zA-Z]+"

Submission 139271193

User	Time	Problem	Language	Verdict
cluelx	2023/12/11 23:47:20	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 //45分
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     long long n , m;
9     //n, m, 代表点的数量和边染的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
13
14    //邻接矩阵赋值
15    for(long long i = 0;i<m;i++){
16        long long u,v;
17        cin>>u>>v;
18        matrix[u-1][v-1] = 1;
19        matrix[v-1][u-1] = 1;
20
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29    vector<long long>node_arr(n);
30    vector<long long>visit_arr(n);
31    node_arr[0] = 1;
32    visit_arr[0] = 1;
33    // long long flag = 0;
34
35    //广度优先遍历
36    vector<long long>query_arr(n);
37    query_arr.push_back(0);
38
39    while (query_arr.size()>0)
40    {
41        for(long long i = 0;i<n;i++){
42            //与flag点相连接并且该点未被访问过
43            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
44                query_arr.push_back(i);
45                node_arr[i] = node_arr[query_arr[0]]+1;
46            }
47        }
48    }
49}
```

```

46             visit_arr[i] = 1;
47         }
48     }
49     //flag = flag + 1;
50     query_arr.erase(query_arr.begin());
51
52 }
53 //找最大值
54 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
55
56 //相同勾玉值得点互相不能连接
57 for(int i = 1;i < *maxElement;i++){
58     vector<int> a;
59     //对node_arr循环，找勾玉值为i的所有结点
60     for(int j = 1;j<n+1;j++){
61         if(node_arr[j]==i){
62             a.push_back(j);
63             // cout<<"a"<<j;
64         }
65     }
66     for(int j = 0;j<a.size();j++){
67         for(int k = j;k<a.size();k++){
68             if(matrix[j][k]==1){
69                 cout<<"no";
70                 return;
71             }
72         }
73     }
74 }
75
76
77
78 for(long long i = 2;i <= *maxElement;i++){
79     for(long long j = 0;j<n;j++){
80         for(long long k = 0;k<n;k++){
81             if (node_arr[j] == i && node_arr[k] == i + 1 && matrix[j]
82 [k] != 1) {
83                 cout << "no";
84                 return 0;
85             }
86         }
87     }
88
89
90
91 // for(long long i = 0;i<n;i++){
92 //     for(long long j = 0;j<n;j++){
93 //         cout<<matrix[i][j];
94 //     }
95 //     cout<<endl;
96 // }
97
98 cout<<"yes"<<endl;
99 for(long long k =1;k<n;k++){
100     cout<<node_arr[k]<<" ";

```

```
101     }
102
103     return 0;
104 }
105
```

Test Detail

- Compile Error

```
1 /tmp/compiler_ivgeimxr/src: 在函数'int main()'中:
2 /tmp/compiler_ivgeimxr/src:66:23: 警告: comparison of integer expressions of
3   different signedness: 'int' and 'std::vector<int>::size_type' {aka 'long
4   unsigned int'} [-Wsign-compare]
5       66 |         for(int j =0;j<a.size();j++){
6       |             ~~~~~~
7 /tmp/compiler_ivgeimxr/src:67:27: 警告: comparison of integer expressions of
8   different signedness: 'int' and 'std::vector<int>::size_type' {aka 'long
9   unsigned int'} [-Wsign-compare]
10      67 |         for(int k =j;k<a.size();k++){
11          |             ~~~~~~
12 /tmp/compiler_ivgeimxr/src:70:21: 错误: 在返回'int'的函数中, 返回语句不带返回值 [-
13 fpermissive]
14      70 |             return;
15          |             ~~~~~~
16
```

Submission 139270035

User	Time	Problem	Language	Verdict
cluelx	2023/12/11 23:30:58	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 #include<array>
7 #include <queue>
8
9 using namespace std;
10 //const long long P = 100000000;
11
12 int main(){
13     int n , m;
14     //n, m, 代表点的数量和边的数量
15     //n = 5;m=6;
16     cin>>n>>m;
17     //vector<vector<int>> list(m, vector<int>(2));
18     vector<array<int, 2>> list(m);
19
20     for(int i = 0;i<m;i++){
21         int u,v;
22         cin>>u>>v;
23         // if(v<u){
24         //     int temp = v;
25         //     v = u;
26         //     u = temp;
27         // }
28         list[i][0] = u;
29         list[i][1] = v;
30     }
31     //vector<vector<int>> matrix(n, vector<int>(n,0));
32     //int matrix [100000][100000]={0};
33
34
35
36     //邻接矩阵赋值
37     // for(int i = 0;i<m;i++){
38     //     int u,v;
39     //     cin>>u>>v;
40     //     matrix[u-1][v-1] = 1;
41     //     matrix[v-1][u-1] = 1;
42
43     // }
44     // matrix = {
45     //     {0,1,0,1,0},
```

```

46     // {1,0,1,0,1},
47     // {0,1,0,1,0},
48     // {1,0,1,0,1},
49     // {0,1,0,1,0}};
50
51     vector<int>node_arr(n+1);
52     vector<int>visit_arr(n+1);
53     node_arr[1] = 1;
54     visit_arr[1] = 1;
55     // int flag = 0;
56     //边数
57     // int bian = m;
58
59     //广度优先遍历
60     // vector<int>query_arr(n);
61     // query_arr.push_back(0);
62
63     // while (query_arr.size()>0)
64     //{
65     //     for(int i = 0;i<n;i++){
66     //         //与队列目前元素相连接并且该点未被访问过
67     //         if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
68     //             query_arr.push_back(i);
69     //             node_arr[i] = node_arr[query_arr[0]]+1;
70     //             visit_arr[i] = 1;
71     //         }
72     //     }
73     //     //flag = flag + 1;
74     //     query_arr.erase(query_arr.begin());
75
76     //}
77     //vector<int>query_arr(n+1);
78     std::queue<int> myQueue;
79     myQueue.push(1);
80     //query_arr.push_back(1);
81
82     //while (query_arr.size()>0)
83     while ( !myQueue.empty())
84     {
85         //int front = query_arr[0];
86         int front = myQueue.front();
87
88         for(int i =0;i<m;i++){
89             int f = list[i][0];
90             int b = list[i][1];
91             if(f == front && visit_arr[b] != 1){
92                 //query_arr.push_back(b);
93                 myQueue.push(b);
94                 visit_arr[b] = 1;
95                 node_arr[b] = node_arr[front]+1;
96
97             }
98             else if(b == front && visit_arr[f] != 1){
99                 //query_arr.push_back(f);
100                myQueue.push(f);
101                visit_arr[f] = 1;

```

```
102             node_arr[f] = node_arr[front]+1;
103         }
104     }
105     myQueue.pop();
106     //query_arr.erase(query_arr.begin());
107 }
108 // for(int i = 0;i<n;i++){
109 //     //与队列目前元素相连接并且该点未被访问过
110 //     if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
111 //         query_arr.push_back(i);
112 //         node_arr[i] = node_arr[query_arr[0]]+1;
113 //         visit_arr[i] = 1;
114 //     }
115 // }
116 // //flag = flag + 1;
117 // query_arr.erase(query_arr.begin());
118
119
120
121 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
122 //剩下的边
123 int bian_lost = m;
124
125 for(int i = 1;i < *maxElement;i++){
126     vector<int> a;
127     vector<int> b;
128     //对node_arr循环，找勾玉值为i的所有结点
129     for(int j = 1;j<n+1;j++){
130         if(node_arr[j]==i){
131             a.push_back(j);
132             // cout<<"a"<<j;
133         }
134     }
135     //找勾玉值为i+1的所有结点
136     for(int k = 1;k<n+1;k++){
137         if(node_arr[k]==i+1){
138             b.push_back(k);
139             //cout<<"b"<<k;
140         }
141     }
142     int a_len = a.size();
143     int b_len = b.size();
144     //bian_lost -= a_len;
145     if(bian_lost < a_len*b_len){
146         cout<<"no";
147         return 0 ;
148     }
149     else{
150         bian_lost -= a_len*b_len;
151     }
152 }
153
154
155
156 // for(int i = 0;i<n;i++){
157 //     for(int j = 0;j<n;j++){
```

```
158     //         cout<<matrix[i][j];
159     //}
160     //     cout<<endl;
161     //}
162
163     cout<<"yes"<<endl;
164     for(int k =2;k<n+1;k++){
165         cout<<node_arr[k]<<" ";
166     }
167
168     return 0;
169 }
170
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 139269871

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:28:43	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <algorithm>
5
6 using namespace std;
7
8 const int MAX_N = 100005;
9
10 vector<int> adj[MAX_N];
11 int magatamaCounts[MAX_N];
12 bool visited[MAX_N];
13
14 bool dfs(int node, int count) {
15     if (visited[node]) {
16         return magatamaCounts[node] == count;
17     }
18
19     visited[node] = true;
20     magatamaCounts[node] = count;
21
22     for (int next : adj[node]) {
23         if (!dfs(next, count + 1)) {
24             return false;
25         }
26     }
27
28     return true;
29 }
30
31 int main() {
32     int n, m;
33     cin >> n >> m;
34
35     for (int i = 0; i < m; ++i) {
36         int u, v;
37         cin >> u >> v;
38         adj[u].push_back(v);
39         adj[v].push_back(u);
40     }
41
42     fill(magatamaCounts, magatamaCounts + MAX_N, -1);
43
44     if (dfs(1, 1)) {
45         cout << "YES" << endl;
```

```
46     for (int i = 2; i <= n; ++i) {
47         cout << magatamaCounts[i] << " ";
48     }
49     cout << endl;
50 } else {
51     cout << "NO" << endl;
52 }
53
54 return 0;
55 }
56
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139269760

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:27:17	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <algorithm>
5
6 using namespace std;
7
8 const int MAX_N = 100005;
9
10 vector<int> adj[MAX_N];
11 int magatamaCounts[MAX_N];
12 bool visited[MAX_N];
13
14 bool dfs(int node, int count) {
15     if (visited[node]) {
16         return magatamaCounts[node] == count;
17     }
18
19     visited[node] = true;
20     magatamaCounts[node] = count;
21
22     for (int next : adj[node]) {
23         if (!dfs(next, count + 1)) {
24             return false;
25         }
26     }
27
28     return true;
29 }
30
31 int main() {
32     int n, m;
33     cin >> n >> m;
34
35     for (int i = 0; i < m; ++i) {
36         int u, v;
37         cin >> u >> v;
38         adj[u].push_back(v);
39         adj[v].push_back(u);
40     }
41
42     fill(magatamaCounts, magatamaCounts + MAX_N, -1);
43
44     if (dfs(1, 1)) {
45         cout << "YES" << endl;
```

```
46     for (int i = 2; i <= n; ++i) {
47         cout << magatamaCounts[i] << " ";
48     }
49     cout << endl;
50 } else {
51     cout << "NO" << endl;
52 }
53
54 return 0;
55 }
56
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139269432

User	Time	Problem	Language	Verdict
cluelx	2023/12/11 23:23:26	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 #include<array>
7 using namespace std;
8 //const long long P = 100000000;
9
10 int main(){
11     int n , m;
12     //n, m, 代表点的数量和边的数量
13     //n = 5;m=6;
14     cin>>n>>m;
15     //vector<vector<int>> list(m, vector<int>(2));
16     vector<array<int, 2>> list(m);
17
18     for(int i = 0;i<m;i++){
19         int u,v;
20         cin>>u>>v;
21         // if(v<u){
22         //     int temp = v;
23         //     v = u;
24         //     u = temp;
25         // }
26         list[i][0] = u;
27         list[i][1] = v;
28
29     }
30     //vector<vector<int>> matrix(n, vector<int>(n,0));
31     //int matrix [1000000][1000000]={0};
32
33
34     //邻接矩阵赋值
35     // for(int i = 0;i<m;i++){
36     //     int u,v;
37     //     cin>>u>>v;
38     //     matrix[u-1][v-1] = 1;
39     //     matrix[v-1][u-1] = 1;
40
41     // }
42     // matrix = {
43     //     {0,1,0,1,0},
44     //     {1,0,1,0,1},
45     //     {0,1,0,1,0},
```

```

46     // {1,0,1,0,1},
47     // {0,1,0,1,0}};
48
49     vector<int>node_arr(n+1);
50     vector<int>visit_arr(n+1);
51     node_arr[1] = 1;
52     visit_arr[1] = 1;
53     // int flag = 0;
54     //边数
55     // int bian = m;
56
57     //广度优先遍历
58     // vector<int>query_arr(n);
59     // query_arr.push_back(0);
60
61     // while (query_arr.size()>0)
62     //{
63     //     for(int i = 0;i<n;i++){
64     //         //与队列目前元素相连接并且该点未被访问过
65     //         if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
66     //             query_arr.push_back(i);
67     //             node_arr[i] = node_arr[query_arr[0]]+1;
68     //             visit_arr[i] = 1;
69     //         }
70     //     }
71     //     //flag = flag + 1;
72     //     query_arr.erase(query_arr.begin());
73
74     //}
75     vector<int>query_arr(n+1);
76     query_arr.push_back(1);
77
78     while (query_arr.size()>0)
79     {
80         int front = query_arr[0];
81         for(int i =0;i<m;i++){
82             if(list[i][0] == front && visit_arr[list[i][1]] != 1){
83                 query_arr.push_back(list[i][1]);
84                 visit_arr[list[i][1]] = 1;
85                 node_arr[list[i][1]] = node_arr[front]+1;
86
87             }
88             else if(list[i][1] == front && visit_arr[list[i][0]] != 1){
89                 query_arr.push_back(list[i][0]);
90                 visit_arr[list[i][0]] = 1;
91                 node_arr[list[i][0]] = node_arr[front]+1;
92             }
93         }
94         query_arr.erase(query_arr.begin());
95     }
96     // for(int i = 0;i<n;i++){
97     //     //与队列目前元素相连接并且该点未被访问过
98     //     if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
99     //         query_arr.push_back(i);
100    //         node_arr[i] = node_arr[query_arr[0]]+1;
101    //         visit_arr[i] = 1;

```

```
102         //      }
103     // }
104     // //flag = flag + 1;
105     // query_arr.erase(query_arr.begin());
106
107
108
109     auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
110     //剩下的边
111     int bian_lost = m;
112
113     for(int i = 1;i < *maxElement;i++){
114         vector<int> a;
115         vector<int> b;
116         //对node_arr循环，找勾玉值为i的所有结点
117         for(int j = 0;j<n+1;j++){
118             if(node_arr[j]==i){
119                 a.push_back(j);
120                 // cout<<"a"<<j;
121             }
122         }
123         //找勾玉值为i+1的所有结点
124         for(int k = 0;k<n+1;k++){
125             if(node_arr[k]==i+1){
126                 b.push_back(k);
127                 //cout<<"b"<<k;
128             }
129         }
130         int a_len = a.size();
131         int b_len = b.size();
132         //bian_lost -= a_len;
133         if(bian_lost < a_len*b_len){
134             cout<<"no";
135             return 0 ;
136         }
137         else{
138             bian_lost -= a_len*b_len;
139         }
140     }
141
142
143
144     // for(int i = 0;i<n;i++){
145     //     for(int j = 0;j<n;j++){
146     //         cout<<matrix[i][j];
147     //     }
148     //     cout<<endl;
149     // }
150
151     cout<<"yes"<<endl;
152     for(int k = 2;k<n+1;k++){
153         cout<<node_arr[k]<<" ";
154     }
155
156     return 0;
157 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Time Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Time Limit Exceeded** :
 - Test 8 - **Time Limit Exceeded** :
 - Test 9 - **Time Limit Exceeded** :
 - Test 10 - **Time Limit Exceeded** :
 - Test 11 - **Time Limit Exceeded** :
 - Test 12 - **Time Limit Exceeded** :
 - Test 13 - **Time Limit Exceeded** :
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139268976

User	Time	Problem	Language	Verdict
cluelx	2023/12/11 23:17:45	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 //const long long P = 100000000;
8
9 int main(){
10     int n , m;
11     //n, m, 代表点的数量和边的数量
12     //n = 5;m=6;
13     cin>>n>>m;
14     vector<vector<int>> list(m, vector<int>(2));
15     for(int i = 0;i<m;i++){
16         int u,v;
17         cin>>u>>v;
18         // if(v<u){
19             //     int temp = v;
20             //     v = u;
21             //     u = temp;
22         // }
23         list[i][0] = u;
24         list[i][1] = v;
25     }
26     //vector<vector<int>> matrix(n, vector<int>(n,0));
27     //int matrix [1000000][1000000]={0};
28
29
30
31     //邻接矩阵赋值
32     // for(int i = 0;i<m;i++){
33     //     int u,v;
34     //     cin>>u>>v;
35     //     matrix[u-1][v-1] = 1;
36     //     matrix[v-1][u-1] = 1;
37
38     // }
39     // matrix = {
40     //     {0,1,0,1,0},
41     //     {1,0,1,0,1},
42     //     {0,1,0,1,0},
43     //     {1,0,1,0,1},
44     //     {0,1,0,1,0}};
45 }
```

```

46     vector<int>node_arr(n+1);
47     vector<int>visit_arr(n+1);
48     node_arr[1] = 1;
49     visit_arr[1] = 1;
50     // int flag = 0;
51     //边数
52     // int bian = m;
53
54     //广度优先遍历
55     // vector<int>query_arr(n);
56     // query_arr.push_back(0);
57
58     // while (query_arr.size()>0)
59     {
60         // for(int i = 0;i<n;i++){
61         //     //与队列目前元素相连接并且该点未被访问过
62         //     if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
63         //         query_arr.push_back(i);
64         //         node_arr[i] = node_arr[query_arr[0]]+1;
65         //         visit_arr[i] = 1;
66         //     }
67         // }
68         // //flag = flag + 1;
69         // query_arr.erase(query_arr.begin());
70
71     }
72     vector<int>query_arr(n+1);
73     query_arr.push_back(1);
74
75     while (query_arr.size()>0)
76     {
77         for(int i =0;i<m;i++){
78             if(list[i][0] == query_arr[0] && visit_arr[list[i][1]] != 1){
79                 query_arr.push_back(list[i][1]);
80                 visit_arr[list[i][1]] = 1;
81                 node_arr[list[i][1]] = node_arr[query_arr[0]]+1;
82
83             }
84             else if(list[i][1] == query_arr[0] && visit_arr[list[i][0]] != 1){
85                 query_arr.push_back(list[i][0]);
86                 visit_arr[list[i][0]] = 1;
87                 node_arr[list[i][0]] = node_arr[query_arr[0]]+1;
88
89             }
90
91         }
92         query_arr.erase(query_arr.begin());
93     }
94     // for(int i = 0;i<n;i++){
95     //     //与队列目前元素相连接并且该点未被访问过
96     //     if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
97     //         query_arr.push_back(i);
98     //         node_arr[i] = node_arr[query_arr[0]]+1;
99     //         visit_arr[i] = 1;
100    //     }

```

```
101     // }
102     // //flag = flag + 1;
103     // query_arr.erase(query_arr.begin());
104
105
106
107     auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
108     //剩下的边
109     int bian_lost = m;
110
111     for(int i = 1;i < *maxElement;i++){
112         vector<int> a;
113         vector<int> b;
114         //对node_arr循环，找勾玉值为i的所有结点
115         for(int j = 0;j<n+1;j++){
116             if(node_arr[j]==i){
117                 a.push_back(j);
118                 // cout<<"a"<<j;
119             }
120         }
121         //找勾玉值为i+1的所有结点
122         for(int k = 0;k<n+1;k++){
123             if(node_arr[k]==i+1){
124                 b.push_back(k);
125                 //cout<<"b"<<k;
126             }
127         }
128         int a_len = a.size();
129         int b_len = b.size();
130         //bian_lost -= a_len;
131         if(bian_lost < a_len*b_len){
132             cout<<"no";
133             return 0 ;
134         }
135         else{
136             bian_lost -= a_len*b_len;
137         }
138     }
139
140
141
142     // for(int i = 0;i<n;i++){
143     //     for(int j = 0;j<n;j++){
144     //         cout<<matrix[i][j];
145     //     }
146     //     cout<<endl;
147     // }
148
149     cout<<"yes"<<endl;
150     for(int k = 2;k<n+1;k++){
151         cout<<node_arr[k]<<" ";
152     }
153
154     return 0;
155 }
156 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Time Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Time Limit Exceeded** :
 - Test 8 - **Time Limit Exceeded** :
 - Test 9 - **Time Limit Exceeded** :
 - Test 10 - **Time Limit Exceeded** :
 - Test 11 - **Time Limit Exceeded** :
 - Test 12 - **Time Limit Exceeded** :
 - Test 13 - **Time Limit Exceeded** :
 - Test 14 - **Time Limit Exceeded** :
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139268755

User	Time	Problem	Language	Verdict
cluelx	2023/12/11 23:15:16	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 //const long long P = 100000000;
8
9 int main(){
10     int n , m;
11     //n, m, 代表点的数量和边的数量
12     //n = 5;m=6;
13     cin>>n>>m;
14     vector<vector<int>> list(m, vector<int>(2));
15     for(int i = 0;i<m;i++){
16         int u,v;
17         cin>>u>>v;
18         if(v<u){
19             int temp = v;
20             v = u;
21             u = temp;
22         }
23         list[i][0] = u;
24         list[i][1] = v;
25     }
26     //vector<vector<int>> matrix(n, vector<int>(n,0));
27     //int matrix [1000000][1000000]={0};
28
29
30
31     //邻接矩阵赋值
32     // for(int i = 0;i<m;i++){
33     //     int u,v;
34     //     cin>>u>>v;
35     //     matrix[u-1][v-1] = 1;
36     //     matrix[v-1][u-1] = 1;
37     //
38     // }
39     // matrix = {
40     //     {0,1,0,1,0},
41     //     {1,0,1,0,1},
42     //     {0,1,0,1,0},
43     //     {1,0,1,0,1},
44     //     {0,1,0,1,0}};
45 }
```

```

46     vector<int>node_arr(n+1);
47     vector<int>visit_arr(n+1);
48     node_arr[1] = 1;
49     visit_arr[1] = 1;
50     // int flag = 0;
51     //边数
52     // int bian = m;
53
54     //广度优先遍历
55     // vector<int>query_arr(n);
56     // query_arr.push_back(0);
57
58     // while (query_arr.size()>0)
59     {
60         // for(int i = 0;i<n;i++){
61         //     //与队列目前元素相连接并且该点未被访问过
62         //     if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
63         //         query_arr.push_back(i);
64         //         node_arr[i] = node_arr[query_arr[0]]+1;
65         //         visit_arr[i] = 1;
66         //     }
67         // }
68         // //flag = flag + 1;
69         // query_arr.erase(query_arr.begin());
70
71     }
72     vector<int>query_arr(n+1);
73     query_arr.push_back(1);
74
75     while (query_arr.size()>0)
76     {
77         for(int i =0;i<m;i++){
78             if(list[i][0] == query_arr[0] && visit_arr[list[i][1]] != 1){
79                 query_arr.push_back(list[i][1]);
80                 visit_arr[list[i][1]] = 1;
81                 node_arr[list[i][1]] = node_arr[query_arr[0]]+1;
82
83             }
84             else if(list[i][1] == query_arr[0] && visit_arr[list[i][0]] != 1){
85                 query_arr.push_back(list[i][0]);
86                 visit_arr[list[i][0]] = 1;
87                 node_arr[list[i][0]] = node_arr[query_arr[0]]+1;
88
89             }
90
91         }
92         query_arr.erase(query_arr.begin());
93     }
94     // for(int i = 0;i<n;i++){
95     //     //与队列目前元素相连接并且该点未被访问过
96     //     if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
97     //         query_arr.push_back(i);
98     //         node_arr[i] = node_arr[query_arr[0]]+1;
99     //         visit_arr[i] = 1;
100    //     }

```

```
101     // }
102     // //flag = flag + 1;
103     // query_arr.erase(query_arr.begin());
104
105
106
107     auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
108     //剩下的边
109     int bian_lost = m;
110
111     for(int i = 1;i < *maxElement;i++){
112         vector<int> a;
113         vector<int> b;
114         //对node_arr循环，找勾玉值为i的所有结点
115         for(int j = 0;j<n+1;j++){
116             if(node_arr[j]==i){
117                 a.push_back(j);
118                 // cout<<"a"<<j;
119             }
120         }
121         //找勾玉值为i+1的所有结点
122         for(int k = 0;k<n+1;k++){
123             if(node_arr[k]==i+1){
124                 b.push_back(k);
125                 //cout<<"b"<<k;
126             }
127         }
128         int a_len = a.size();
129         int b_len = b.size();
130         //bian_lost -= a_len;
131         if(bian_lost < a_len*b_len){
132             cout<<"no";
133             return 0 ;
134         }
135         else{
136             bian_lost -= a_len*b_len;
137         }
138     }
139
140
141
142     // for(int i = 0;i<n;i++){
143     //     for(int j = 0;j<n;j++){
144     //         cout<<matrix[i][j];
145     //     }
146     //     cout<<endl;
147     // }
148
149     cout<<"yes"<<endl;
150     for(int k = 2;k<n+1;k++){
151         cout<<node_arr[k]<<" ";
152     }
153
154     return 0;
155 }
156 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Time Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Time Limit Exceeded** :
 - Test 8 - **Time Limit Exceeded** :
 - Test 9 - **Time Limit Exceeded** :
 - Test 10 - **Time Limit Exceeded** :
 - Test 11 - **Time Limit Exceeded** :
 - Test 12 - **Time Limit Exceeded** :
 - Test 13 - **Time Limit Exceeded** :
 - Test 14 - **Time Limit Exceeded** :
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 139268435

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:11:51	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <algorithm>
5
6 using namespace std;
7
8 const int MAX_N = 100005;
9
10 vector<int> adj[MAX_N];
11 int magatamaCounts[MAX_N];
12 bool visited[MAX_N];
13
14 bool dfs(int node, int count) {
15     if (visited[node]) {
16         return magatamaCounts[node] == count;
17     }
18
19     visited[node] = true;
20     magatamaCounts[node] = count;
21
22     for (int next : adj[node]) {
23         if (!dfs(next, count + 1)) {
24             return false;
25         }
26     }
27
28     return true;
29 }
30
31 int main() {
32     int n, m;
33     cin >> n >> m;
34
35     for (int i = 0; i < m; ++i) {
36         int u, v;
37         cin >> u >> v;
38         adj[u].push_back(v);
39         adj[v].push_back(u);
40     }
41
42     fill(magatamaCounts, magatamaCounts + MAX_N, -1);
43
44     if (dfs(1, 1)) {
45         cout << "YES" << endl;
```

```
46     for (int i = 2; i <= n; ++i) {
47         cout << magatamaCounts[i] << " ";
48     }
49     cout << endl;
50 } else {
51     cout << "NO" << endl;
52 }
53
54 return 0;
55 }
56
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139268175

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:09:26	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4
5 using namespace std;
6
7 const int MAX_N = 105;
8
9 vector<int> adj[MAX_N];
10 int magatamaCounts[MAX_N];
11 bool visited[MAX_N];
12
13 bool dfs(int node, int count) {
14     if (visited[node]) {
15         return magatamaCounts[node] == count;
16     }
17
18     visited[node] = true;
19     magatamaCounts[node] = count;
20
21     for (int next : adj[node]) {
22         if (!dfs(next, count + 1)) {
23             return false;
24         }
25     }
26
27     return true;
28 }
29
30 int main() {
31     int n, m;
32     cin >> n >> m;
33
34     for (int i = 0; i < m; ++i) {
35         int u, v;
36         cin >> u >> v;
37         adj[u].push_back(v);
38         adj[v].push_back(u);
39     }
40
41     fill(magatamaCounts, magatamaCounts + MAX_N, -1);
42
43     if (dfs(1, 1)) {
44         cout << "YES" << endl;
45         for (int i = 2; i <= n; ++i) {
```

```
46         cout << magatamaCounts[i] << " ";
47     }
48     cout << endl;
49 } else {
50     cout << "NO" << endl;
51 }
52
53 return 0;
54 }
55
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Runtime Error](#) :
 - Test 5 - [Runtime Error](#) :
 - Test 6 - [Runtime Error](#) :
 - Test 7 - [Runtime Error](#) :
 - Test 8 - [Runtime Error](#) :
 - Test 9 - [Runtime Error](#) :
 - Test 10 - [Runtime Error](#) :
 - Test 11 - [Runtime Error](#) :
 - Test 12 - [Runtime Error](#) :
 - Test 13 - [Runtime Error](#) :
 - Test 14 - [Runtime Error](#) :
 - Test 15 - [Runtime Error](#) :
 - Test 16 - [Runtime Error](#) :
 - Test 17 - [Runtime Error](#) :
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139268160

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:09:17	Puzzle in Inazuma	Python 3	Compile Error

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4
5 using namespace std;
6
7 const int MAX_N = 105;
8
9 vector<int> adj[MAX_N];
10 int magatamaCounts[MAX_N];
11 bool visited[MAX_N];
12
13 bool dfs(int node, int count) {
14     if (visited[node]) {
15         return magatamaCounts[node] == count;
16     }
17
18     visited[node] = true;
19     magatamaCounts[node] = count;
20
21     for (int next : adj[node]) {
22         if (!dfs(next, count + 1)) {
23             return false;
24         }
25     }
26
27     return true;
28 }
29
30 int main() {
31     int n, m;
32     cin >> n >> m;
33
34     for (int i = 0; i < m; ++i) {
35         int u, v;
36         cin >> u >> v;
37         adj[u].push_back(v);
38         adj[v].push_back(u);
39     }
40
41     fill(magatamaCounts, magatamaCounts + MAX_N, -1);
42
43     if (dfs(1, 1)) {
44         cout << "YES" << endl;
45         for (int i = 2; i <= n; ++i) {
```

```
46         cout << magatamaCounts[i] << " ";
47     }
48     cout << endl;
49 } else {
50     cout << "NO" << endl;
51 }
52
53 return 0;
54 }
55
```

Test Detail

- Compile Error

```
1 File "/tmp/compiler_x56_9hpq/src", line 5
2     using namespace std;
3     ^^^^^^^^^^
4 SyntaxError: invalid syntax
5
```

Submission 139267920

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:06:41	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 def dfs(node, target_count):
2     magatama_count[node] = target_count
3
4     for connected_node in connections[node]:
5         if magatama_count[connected_node] == 0:
6             if not dfs(connected_node, target_count + 1):
7                 return False
8             elif magatama_count[connected_node] != target_count + 1:
9                 return False
10
11    return True
12
13 def solve_puzzle():
14     n, m = map(int, input().split())
15     for _ in range(m):
16         u, v = map(int, input().split())
17         connections[u].add(v)
18         connections[v].add(u)
19
20     if not dfs(1, 1):
21         print("NO")
22     else:
23         print("YES")
24         for i in range(2, n + 1):
25             print(magatama_count[i], end=" ")
26
27 if __name__ == "__main__":
28     magatama_count = [0] * (10 ** 5 + 1)
29     connections = defaultdict(set)
30     solve_puzzle()
31
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Runtime Error :
 - Test 1 - Runtime Error :
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Runtime Error :
 - Test 5 - Runtime Error :
 - Test 6 - Runtime Error :

- Test 7 - [Runtime Error](#) :
- Test 8 - [Runtime Error](#) :
- Test 9 - [Runtime Error](#) :
- Test 10 - [Runtime Error](#) :
- Test 11 - [Runtime Error](#) :
- Test 12 - [Runtime Error](#) :
- Test 13 - [Runtime Error](#) :
- Test 14 - [Runtime Error](#) :
- Test 15 - [Runtime Error](#) :
- Test 16 - [Runtime Error](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :

Submission 139267892

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:06:24	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 def dfs(node, target_count):
2     magatama_count[node] = target_count
3
4     for connected_node in connections[node]:
5         if magatama_count[connected_node] == 0:
6             if not dfs(connected_node, target_count + 1):
7                 return False
8             elif magatama_count[connected_node] != target_count + 1:
9                 return False
10
11    return True
12
13 def solve_puzzle():
14     n, m = map(int, input().split())
15     for _ in range(m):
16         u, v = map(int, input().split())
17         connections[u].add(v)
18         connections[v].add(u)
19
20     if not dfs(1, 1):
21         print("NO")
22     else:
23         print("YES")
24         for i in range(2, n + 1):
25             print(magatama_count[i], end=" ")
26
27 if __name__ == "__main__":
28     magatama_count = [0] * (10 ** 5 + 1)
29     connections = defaultdict(set)
30     solve_puzzle()
31
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Runtime Error :
 - Test 1 - Runtime Error :
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Runtime Error :
 - Test 5 - Runtime Error :
 - Test 6 - Runtime Error :

- Test 7 - [Runtime Error](#) :
- Test 8 - [Runtime Error](#) :
- Test 9 - [Runtime Error](#) :
- Test 10 - [Runtime Error](#) :
- Test 11 - [Runtime Error](#) :
- Test 12 - [Runtime Error](#) :
- Test 13 - [Runtime Error](#) :
- Test 14 - [Runtime Error](#) :
- Test 15 - [Runtime Error](#) :
- Test 16 - [Runtime Error](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :

Submission 139267867

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:06:03	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <unordered_map>
3 #include <unordered_set>
4
5 using namespace std;
6
7 unordered_map<int, unordered_set<int>> connections;
8 int magatamaCount[100005];
9
10 bool dfs(int node, int targetCount) {
11     magatamaCount[node] = targetCount;
12
13     for (int connectedNode : connections[node]) {
14         if (magatamaCount[connectedNode] == 0) {
15             if (!dfs(connectedNode, targetCount + 1)) {
16                 return false;
17             }
18         } else if (magatamaCount[connectedNode] != targetCount + 1) {
19             return false;
20         }
21     }
22
23     return true;
24 }
25
26 int main() {
27     int n, m;
28     cin >> n >> m;
29
30     for (int i = 0; i < m; ++i) {
31         int u, v;
32         cin >> u >> v;
33         connections[u].insert(v);
34         connections[v].insert(u);
35     }
36
37     if (!dfs(1, 1)) {
38         cout << "NO";
39     } else {
40         cout << "YES" << endl;
41         for (int i = 2; i <= n; ++i) {
42             cout << magatamaCount[i] << " ";
43         }
44     }
45 }
```

```
46     return 0;  
47 }  
48
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139267471

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:02:05	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <unordered_set>
5
6 using namespace std;
7
8 const int MAX_N = 100005;
9
10 unordered_map<int, unordered_set<int>> connections;
11 int magatamaCount[MAX_N];
12
13 bool dfs(int node, int targetCount) {
14     magatamaCount[node] = targetCount;
15
16     for (int connectedNode : connections[node]) {
17         if (magatamaCount[connectedNode] == 0) {
18             if (!dfs(connectedNode, targetCount + 1)) {
19                 return false;
20             }
21         } else if (magatamaCount[connectedNode] != targetCount + 1) {
22             return false;
23         }
24     }
25
26     return true;
27 }
28
29 int main() {
30     int n, m;
31     cin >> n >> m;
32
33     for (int i = 0; i < m; ++i) {
34         int u, v;
35         cin >> u >> v;
36         connections[u].insert(v);
37         connections[v].insert(u);
38     }
39
40     if (!dfs(1, 1)) {
41         cout << "NO";
42     } else {
43         cout << "YES" << endl;
44         for (int i = 2; i <= n; ++i) {
45             cout << magatamaCount[i] << " ";
```

```
46     }
47 }
48
49     return 0;
50 }
51
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139266308

User	Time	Problem	Language	Verdict
DL653781	2023/12/11 22:50:22	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_set>
4
5 using namespace std;
6
7 bool dfs(int node, vector<vector<int>>& graph, vector<int>& counts,
8          unordered_set<int>& visited) {
9     visited.insert(node);
10
11    for (int neighbor : graph[node]) {
12        if (visited.find(neighbor) == visited.end()) {
13            counts[neighbor] = counts[node] + 1;
14            if (!dfs(neighbor, graph, counts, visited)) {
15                return false;
16            }
17        } else if (counts[neighbor] != counts[node] + 1) {
18            return false;
19        }
20    }
21
22    return true;
23}
24
25 int main() {
26     int n, m;
27     cin >> n >> m;
28
29     vector<vector<int>> graph(n + 1);
30     for (int i = 0; i < m; ++i) {
31         int u, v;
32         cin >> u >> v;
33         graph[u].push_back(v);
34         graph[v].push_back(u);
35     }
36
37     vector<int> counts(n + 1, -1);
38     counts[1] = 1;
39     unordered_set<int> visited;
40
41     if (dfs(1, graph, counts, visited)) {
42         cout << "YES" << endl;
43         for (int i = 2; i <= n; ++i) {
44             cout << counts[i] << " ";
45         }
46     }
47 }
```

```
45     } else {
46         cout << "NO";
47     }
48
49     return 0;
50 }
51
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139266287

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:50:10	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include <iostream>
2 #include <unordered_set>
3
4 using namespace std;
5
6 const int MAX_N = 100005;
7
8 int graph[MAX_N][MAX_N];
9 int counts[MAX_N];
10
11 bool dfs(int node, int n, unordered_set<int>& visited) {
12     visited.insert(node);
13
14     for (int neighbor = 1; neighbor <= n; ++neighbor) {
15         if (graph[node][neighbor] && visited.find(neighbor) == visited.end())
16     {
17             counts[neighbor] = counts[node] + 1;
18             if (!dfs(neighbor, n, visited)) {
19                 return false;
20             }
21         } else if (graph[node][neighbor] && counts[neighbor] != counts[node]
22 + 1) {
23             return false;
24         }
25     }
26
27     return true;
28 }
29
30 int main() {
31     int n, m;
32     cin >> n >> m;
33
34     for (int i = 0; i < m; ++i) {
35         int u, v;
36         cin >> u >> v;
37         graph[u][v] = 1;
38         graph[v][u] = 1;
39     }
40
41     counts[1] = 1;
42     unordered_set<int> visited;
43
44     if (dfs(1, n, visited)) {
45         cout << "YES" << endl;
46     }
47 }
```

```
44     for (int i = 2; i <= n; ++i) {
45         cout << counts[i] << " ";
46     }
47 } else {
48     cout << "NO";
49 }
50
51 return 0;
52 }
53
```

Test Detail

- Compile Error

```
1 No valid executable file was produced by the compiler
2 ./ccQftBdv.o: in function `__GLOBAL__sub_I_src':
3 src:(.text.startup+0x1a7): relocation truncated to fit: R_X86_64_PC32 against
`.bss'
4 src:(.text.startup+0x1c1): relocation truncated to fit: R_X86_64_PC32 against
`.bss'
5 collect2: 错误: ld 返回 1
6
```

Submission 139266262

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:49:59	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include <iostream>
2 #include <unordered_set>
3
4 using namespace std;
5
6 const int MAX_N = 100005;
7
8 int graph[MAX_N][MAX_N];
9 int counts[MAX_N];
10
11 bool dfs(int node, int n, unordered_set<int>& visited) {
12     visited.insert(node);
13
14     for (int neighbor = 1; neighbor <= n; ++neighbor) {
15         if (graph[node][neighbor] && visited.find(neighbor) == visited.end())
16     {
17             counts[neighbor] = counts[node] + 1;
18             if (!dfs(neighbor, n, visited)) {
19                 return false;
20             }
21         } else if (graph[node][neighbor] && counts[neighbor] != counts[node]
22 + 1) {
23             return false;
24         }
25     }
26
27     return true;
28 }
29
30 int main() {
31     int n, m;
32     cin >> n >> m;
33
34     for (int i = 0; i < m; ++i) {
35         int u, v;
36         cin >> u >> v;
37         graph[u][v] = 1;
38         graph[v][u] = 1;
39     }
40
41     counts[1] = 1;
42     unordered_set<int> visited;
43
44     if (dfs(1, n, visited)) {
45         cout << "YES" << endl;
46     }
47 }
```

```
44     for (int i = 2; i <= n; ++i) {
45         cout << counts[i] << " ";
46     }
47 } else {
48     cout << "NO";
49 }
50
51 return 0;
52 }
53
```

Test Detail

- Compile Error

```
1 No valid executable file was produced by the compiler
2 ./ccgZjBks.o: in function `__GLOBAL__sub_I_src':
3 src:(.text.startup+0x1a7): relocation truncated to fit: R_X86_64_PC32 against
`.bss'
4 src:(.text.startup+0x1c1): relocation truncated to fit: R_X86_64_PC32 against
`.bss'
5 collect2: 错误: ld 返回 1
6
```

Submission 139266037

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:48:08	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <queue>
5
6 using namespace std;
7
8 bool isPossible(int numLanterns, const vector<pair<int, int>>& connections,
9   vector<int>& counts) {
10   unordered_map<int, vector<int>> graph;
11   vector<bool> visited(numLanterns + 1, false);
12
13   for (const auto& connection : connections) {
14     int u = connection.first, v = connection.second;
15     graph[u].push_back(v);
16     graph[v].push_back(u);
17   }
18
19   queue<int> q;
20   q.push(1);
21   visited[1] = true;
22
23   while (!q.empty()) {
24     int current = q.front();
25     q.pop();
26
27     for (int neighbor : graph[current]) {
28       if (!visited[neighbor]) {
29         visited[neighbor] = true;
30         counts[neighbor - 2] = counts[current - 2] + 1;
31         q.push(neighbor);
32       }
33     }
34   }
35
36   for (int i = 0; i < counts.size(); ++i) {
37     if (!visited[i + 2]) {
38       return false;
39     }
40   }
41
42   return true;
43 }
44
45 int main() {
```

```

45     int numLanterns, numConnections;
46     cin >> numLanterns >> numConnections;
47
48     vector<pair<int, int>> connections(numConnections);
49     for (int i = 0; i < numConnections; ++i) {
50         int u, v;
51         cin >> u >> v;
52         connections[i] = {u, v};
53     }
54
55     vector<int> counts(numLanterns - 1, 2); // Count of magatama for lanterns
other than seat 1
56
57     bool possible = isPossible(numLanterns, connections, counts);
58
59     if (possible) {
60         cout << "YES" << endl;
61         for (int count : counts) {
62             cout << count << " ";
63         }
64         cout << endl;
65     } else {
66         cout << "NO" << endl;
67     }
68
69     return 0;
70 }
71

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 1 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 2]
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Wrong Answer](#) : wrong answer The 1-th number is 6658, but participant claims it is 6657
 - Test 6 - [Wrong Answer](#) : wrong answer The 1-th number is 1256, but participant claims it is 1255
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 53012
 - Test 8 - [Wrong Answer](#) : wrong answer The 1-th number is 47625, but participant claims it is 47624

- Test 9 - [Wrong Answer](#) : wrong answer The 1-th number is 22522, but participant claims it is 22521
- Test 10 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 12 - [Wrong Answer](#) : wrong answer The 1-th number is 11549, but participant claims it is 11548
- Test 13 - [Wrong Answer](#) : wrong answer The 1-th number is 18467, but participant claims it is 18466
- Test 14 - [Wrong Answer](#) : wrong answer The 1-th number is 435, but participant claims it is 434
- Test 15 - [Wrong Answer](#) : wrong answer The 1-th number is 399, but participant claims it is 398
- Test 16 - [Wrong Answer](#) : wrong answer The 1-th number is 277, but participant claims it is 276
- Test 17 - [Wrong Answer](#) : wrong answer The 1-th number is 93, but participant claims it is 92
- Test 18 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 8]
- Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 3

Submission 139266005

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:47:50	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <queue>
5
6 using namespace std;
7
8 bool isPossible(int numLanterns, const vector<pair<int, int>>& connections,
9   vector<int>& counts) {
10   unordered_map<int, vector<int>> graph;
11   vector<bool> visited(numLanterns + 1, false);
12
13   for (const auto& connection : connections) {
14     int u = connection.first, v = connection.second;
15     graph[u].push_back(v);
16     graph[v].push_back(u);
17   }
18
19   queue<int> q;
20   q.push(1);
21   visited[1] = true;
22
23   while (!q.empty()) {
24     int current = q.front();
25     q.pop();
26
27     for (int neighbor : graph[current]) {
28       if (!visited[neighbor]) {
29         visited[neighbor] = true;
30         counts[neighbor - 2] = counts[current - 2] + 1;
31         q.push(neighbor);
32       }
33     }
34   }
35
36   for (int i = 0; i < counts.size(); ++i) {
37     if (!visited[i + 2]) {
38       return false;
39     }
40   }
41
42   return true;
43 }
44
45 int main() {
```

```

45     int numLanterns, numConnections;
46     cin >> numLanterns >> numConnections;
47
48     vector<pair<int, int>> connections(numConnections);
49     for (int i = 0; i < numConnections; ++i) {
50         int u, v;
51         cin >> u >> v;
52         connections[i] = {u, v};
53     }
54
55     vector<int> counts(numLanterns - 1, 2); // Count of magatama for lanterns
other than seat 1
56
57     bool possible = isPossible(numLanterns, connections, counts);
58
59     if (possible) {
60         cout << "YES" << endl;
61         for (int count : counts) {
62             cout << count << " ";
63         }
64         cout << endl;
65     } else {
66         cout << "NO" << endl;
67     }
68
69     return 0;
70 }
71

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 1 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 2]
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Wrong Answer](#) : wrong answer The 1-th number is 6658, but participant claims it is 6657
 - Test 6 - [Wrong Answer](#) : wrong answer The 1-th number is 1256, but participant claims it is 1255
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 53012
 - Test 8 - [Wrong Answer](#) : wrong answer The 1-th number is 47625, but participant claims it is 47624

- Test 9 - [Wrong Answer](#) : wrong answer The 1-th number is 22522, but participant claims it is 22521
- Test 10 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 12 - [Wrong Answer](#) : wrong answer The 1-th number is 11549, but participant claims it is 11548
- Test 13 - [Wrong Answer](#) : wrong answer The 1-th number is 18467, but participant claims it is 18466
- Test 14 - [Wrong Answer](#) : wrong answer The 1-th number is 435, but participant claims it is 434
- Test 15 - [Wrong Answer](#) : wrong answer The 1-th number is 399, but participant claims it is 398
- Test 16 - [Wrong Answer](#) : wrong answer The 1-th number is 277, but participant claims it is 276
- Test 17 - [Wrong Answer](#) : wrong answer The 1-th number is 93, but participant claims it is 92
- Test 18 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 8]
- Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 3

Submission 139265613

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:44:35	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <unordered_map>
5
6 using namespace std;
7
8 bool isPossible(int n, const vector<pair<int, int>>& connections,
9   vector<int>& counts) {
10   unordered_map<int, vector<int>> graph;
11   vector<bool> visited(n + 1, false);
12
13   for (const auto& connection : connections) {
14     int u = connection.first, v = connection.second;
15     graph[u].push_back(v);
16     graph[v].push_back(u);
17   }
18
19   queue<int> q;
20   q.push(1);
21   visited[1] = true;
22
23   while (!q.empty()) {
24     int current = q.front();
25     q.pop();
26
27     for (int neighbor : graph[current]) {
28       if (!visited[neighbor]) {
29         visited[neighbor] = true;
30         counts[neighbor - 2] = counts[current - 2] + 1;
31         q.push(neighbor);
32       }
33     }
34
35   for (int i = 0; i < counts.size(); ++i) {
36     if (!visited[i + 2]) {
37       return false;
38     }
39   }
40
41   return true;
42 }
43
44 int main() {
```

```

45     int numLanterns, numConnections;
46     cin >> numLanterns >> numConnections;
47
48     vector<pair<int, int>> connections(numConnections);
49     for (int i = 0; i < numConnections; ++i) {
50         int u, v;
51         cin >> u >> v;
52         connections[i] = {u, v};
53     }
54
55     vector<int> counts(numLanterns - 1, 2); // Counts of magatama for
lanterns other than seat 1
56
57     bool possible = isPossible(numLanterns, connections, counts);
58
59     if (possible) {
60         cout << "YES" << endl;
61         for (int count : counts) {
62             cout << count << " ";
63         }
64         cout << endl;
65     } else {
66         cout << "NO" << endl;
67     }
68
69     return 0;
70 }
71
72

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 1 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 2]
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Wrong Answer](#) : wrong answer The 1-th number is 6658, but participant claims it is 6657
 - Test 6 - [Wrong Answer](#) : wrong answer The 1-th number is 1256, but participant claims it is 1255
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 53012

- Test 8 - [Wrong Answer](#) : wrong answer The 1-th number is 47625, but participant claims it is 47624
- Test 9 - [Wrong Answer](#) : wrong answer The 1-th number is 22522, but participant claims it is 22521
- Test 10 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 12 - [Wrong Answer](#) : wrong answer The 1-th number is 11549, but participant claims it is 11548
- Test 13 - [Wrong Answer](#) : wrong answer The 1-th number is 18467, but participant claims it is 18466
- Test 14 - [Wrong Answer](#) : wrong answer The 1-th number is 435, but participant claims it is 434
- Test 15 - [Wrong Answer](#) : wrong answer The 1-th number is 399, but participant claims it is 398
- Test 16 - [Wrong Answer](#) : wrong answer The 1-th number is 277, but participant claims it is 276
- Test 17 - [Wrong Answer](#) : wrong answer The 1-th number is 93, but participant claims it is 92
- Test 18 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 8]
- Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 3

Submission 139265039

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:39:52	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <unordered_map>
5
6 using namespace std;
7
8 bool isPossible(int n, const vector<pair<int, int>>& edges, vector<int>&
9 counts) {
10     unordered_map<int, vector<int>> graph;
11     vector<bool> visited(n + 1, false);
12
13     for (auto edge : edges) {
14         int u = edge.first, v = edge.second;
15         graph[u].push_back(v);
16         graph[v].push_back(u);
17     }
18
19     queue<int> q;
20     q.push(1);
21     visited[1] = true;
22
23     while (!q.empty()) {
24         int current = q.front();
25         q.pop();
26
27         for (int neighbor : graph[current]) {
28             if (!visited[neighbor]) {
29                 visited[neighbor] = true;
30                 counts[neighbor - 2] = counts[current - 2] + 1;
31                 q.push(neighbor);
32             }
33         }
34
35         for (int i = 0; i < counts.size(); ++i) {
36             if (!visited[i + 2]) {
37                 return false;
38             }
39         }
40
41         return true;
42     }
43
44     int main() {
```

```

45     int n, m;
46     cin >> n >> m;
47
48     vector<pair<int, int>> edges(m);
49     for (int i = 0; i < m; ++i) {
50         int u, v;
51         cin >> u >> v;
52         edges[i] = {u, v};
53     }
54
55     vector<int> counts(n - 1, 2);
56     bool possible = isPossible(n, edges, counts);
57
58     if (possible) {
59         cout << "YES" << endl;
60         for (int count : counts) {
61             cout << count << " ";
62         }
63         cout << endl;
64     } else {
65         cout << "NO" << endl;
66     }
67
68     return 0;
69 }
70

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 1 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 5]
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 2]
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Wrong Answer](#) : wrong answer The 1-th number is 6658, but participant claims it is 6657
 - Test 6 - [Wrong Answer](#) : wrong answer The 1-th number is 1256, but participant claims it is 1255
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 53012
 - Test 8 - [Wrong Answer](#) : wrong answer The 1-th number is 47625, but participant claims it is 47624

- Test 9 - [Wrong Answer](#) : wrong answer The 1-th number is 22522, but participant claims it is 22521
- Test 10 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 12 - [Wrong Answer](#) : wrong answer The 1-th number is 11549, but participant claims it is 11548
- Test 13 - [Wrong Answer](#) : wrong answer The 1-th number is 18467, but participant claims it is 18466
- Test 14 - [Wrong Answer](#) : wrong answer The 1-th number is 435, but participant claims it is 434
- Test 15 - [Wrong Answer](#) : wrong answer The 1-th number is 399, but participant claims it is 398
- Test 16 - [Wrong Answer](#) : wrong answer The 1-th number is 277, but participant claims it is 276
- Test 17 - [Wrong Answer](#) : wrong answer The 1-th number is 93, but participant claims it is 92
- Test 18 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 8]
- Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 3

Submission 139264856

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:38:29	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_map>
4 #include <queue>
5
6 using namespace std;
7
8 bool isPossible(const vector<vector<int>>& graph, vector<int>& counts) {
9     int n = counts.size();
10    vector<vector<int>> connections(n + 1);
11
12    for (int i = 0; i < graph.size(); ++i) {
13        for (int j = 0; j < graph[i].size(); ++j) {
14            int a = graph[i][j];
15            connections[counts[i]].push_back(counts[a]);
16            connections[counts[a]].push_back(counts[i]);
17        }
18    }
19
20    vector<bool> visited(n + 1, false);
21    queue<int> q;
22    q.push(1);
23    visited[1] = true;
24
25    while (!q.empty()) {
26        int current = q.front();
27        q.pop();
28
29        for (int neighbor : connections[current]) {
30            if (!visited[neighbor]) {
31                visited[neighbor] = true;
32                q.push(neighbor);
33            }
34        }
35    }
36
37    for (int i = 1; i <= n; ++i) {
38        if (!visited[i]) {
39            return false;
40        }
41    }
42
43    return true;
44 }
```

```

46 int main() {
47     int n, m;
48     cin >> n >> m;
49
50     vector<vector<int>> graph(n + 1);
51     for (int i = 0; i < m; ++i) {
52         int u, v;
53         cin >> u >> v;
54         graph[u].push_back(v);
55         graph[v].push_back(u);
56     }
57
58     vector<int> counts(n - 1, 2); // Counts of magatama for lanterns other
59     // than seat 1
60     bool possible = isPossible(graph, counts);
61
62     if (possible) {
63         cout << "YES" << endl;
64         for (int i = 0; i < n - 1; ++i) {
65             cout << counts[i] << " ";
66         }
67         cout << endl;
68     } else {
69         cout << "NO" << endl;
70     }
71
72     return 0;
73 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Runtime Error](#) :
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - [Runtime Error](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
- Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 139264800

User	Time	Problem	Language	Verdict
cluelx	2023/12/11 22:38:06	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 //const long long P = 100000000;
8
9 int main(){
10     int n , m;
11     //n, m, 代表点的数量和边的数量
12     //n = 5;m=6;
13     cin>>n>>m;
14
15     //vector<vector<int>> matrix(n, vector<int>(n,0));
16     //int matrix [1000000][1000000]={0};
17     int** matrix = new int*[n];
18     for (int i = 0; i < n; i++) {
19         matrix[i] = new int[n];
20     }
21
22     //邻接矩阵赋值
23     for(int i = 0;i<m;i++){
24         int u,v;
25         cin>>u>>v;
26         matrix[u-1][v-1] = 1;
27         matrix[v-1][u-1] = 1;
28
29     }
30     // matrix = {
31     //     {0,1,0,1,0},
32     //     {1,0,1,0,1},
33     //     {0,1,0,1,0},
34     //     {1,0,1,0,1},
35     //     {0,1,0,1,0}};
36
37     vector<int>node_arr(n);
38     vector<int>visit_arr(n);
39     node_arr[0] = 1;
40     visit_arr[0] = 1;
41     // int flag = 0;
42     //边数
43     // int bian = m;
44
45     //广度优先遍历
```

```

46     vector<int>query_arr(n);
47     query_arr.push_back(0);
48
49     while (query_arr.size()>0)
50     {
51         for(int i = 0;i<n;i++){
52             //与队列目前元素相连接并且该点未被访问过
53             if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
54                 query_arr.push_back(i);
55                 node_arr[i] = node_arr[query_arr[0]]+1;
56                 visit_arr[i] = 1;
57             }
58         }
59         //flag = flag + 1;
60         query_arr.erase(query_arr.begin());
61     }
62
63
64     auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
65     //剩下的边
66     int bian_lost = m;
67
68     for(int i = 1;i < *maxElement;i++){
69         vector<int> a;
70         vector<int> b;
71         //对node_arr循环，找勾玉值为i的所有结点
72         for(int j = 0;j<n;j++){
73             if(node_arr[j]==i){
74                 a.push_back(j);
75                 // cout<<"a"<<j;
76             }
77         }
78         //找勾玉值为i+1的所有结点
79         for(int k = 0;k<n;k++){
80             if(node_arr[k]==i+1){
81                 b.push_back(k);
82                 //cout<<"b"<<k;
83             }
84         }
85         int a_len = a.size();
86         int b_len = b.size();
87         //bian_lost -= a_len;
88         if(bian_lost < a_len*b_len){
89             cout<<"no";
90             return 0 ;
91         }
92         else{
93             bian_lost -= a_len*b_len;
94         }
95     }
96
97
98
99     // for(int i = 0;i<n;i++){
100    //     for(int j = 0;j<n;j++){
101    //         cout<<matrix[i][j];

```

```
102     //      }
103     //      cout<<endl;
104     // }
105
106     cout<<"yes"<<endl;
107     for(int k =1;k<n;k++){
108         cout<<node_arr[k]<<" ";
109     }
110
111     return 0;
112 }
113
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 139264385

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 22:35:05	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <unordered_set>
4 #include <unordered_map>
5 #include <queue>
6
7 using namespace std;
8
9 bool checkPattern(const vector<vector<int>>& connections, vector<int>&
10 counts) {
11     unordered_map<int, int> magatama; // Mapping of lanterns and their counts
12     unordered_set<int> seen;
13
14     for (int i = 0; i < counts.size(); ++i) {
15         magatama[i + 1] = counts[i]; // Mapping lanterns to their initial
16         counts
17     }
18
19     queue<int> q;
20     q.push(1); // Start with the lantern at seat 1
21
22     while (!q.empty()) {
23         int current = q.front();
24         q.pop();
25
26         seen.insert(current);
27
28         for (int neighbor : connections[current]) {
29             if (magatama[current] + 1 == magatama[neighbor]) {
30                 if (seen.find(neighbor) != seen.end()) {
31                     return false; // The pattern is incorrect
32                 }
33                 q.push(neighbor);
34             }
35         }
36
37     }
38
39     return true;
40 }
41
42 int main() {
43     int numLanterns, numConnections;
44     cin >> numLanterns >> numConnections;
```

```

43     vector<vector<int>> connections(numLanterns + 1); // connections[i]
44     stores neighbors of lantern i
45     for (int i = 0; i < numConnections; ++i) {
46         int lantern1, lantern2;
47         cin >> lantern1 >> lantern2;
48         connections[lantern1].push_back(lantern2);
49         connections[lantern2].push_back(lantern1);
50     }
51
52     vector<int> counts(numLanterns - 1); // Counts of magatama for lanterns
53     other than seat 1
54     for (int i = 0; i < numLanterns - 1; ++i) {
55         counts[i] = 2; // Initial counts assumed to be 2
56     }
57
58     bool solutionExists = checkPattern(connections, counts);
59
60     if (solutionExists) {
61         cout << "YES" << endl;
62         for (int count : counts) {
63             cout << count << " ";
64         }
65         cout << endl;
66     } else {
67         cout << "NO" << endl;
68     }
69
70     return 0;
71 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Wrong Answer](#) : wrong answer The 2-th number is 3, but participant claims it is 2
 - Test 1 - [Wrong Answer](#) : wrong answer The 2-th number is 3, but participant claims it is 2
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Wrong Answer](#) : wrong answer The 1-th number is 6658, but participant claims it is 2
 - Test 6 - [Wrong Answer](#) : wrong answer The 1-th number is 1256, but participant claims it is 2
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 2
 - Test 8 - [Wrong Answer](#) : wrong answer The 1-th number is 47625, but participant claims it is 2

- Test 9 - [Wrong Answer](#) : wrong answer The 1-th number is 22522, but participant claims it is 2
- Test 10 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 12 - [Wrong Answer](#) : wrong answer The 1-th number is 11549, but participant claims it is 2
- Test 13 - [Wrong Answer](#) : wrong answer The 1-th number is 18467, but participant claims it is 2
- Test 14 - [Wrong Answer](#) : wrong answer The 1-th number is 435, but participant claims it is 2
- Test 15 - [Wrong Answer](#) : wrong answer The 1-th number is 399, but participant claims it is 2
- Test 16 - [Wrong Answer](#) : wrong answer The 1-th number is 277, but participant claims it is 2
- Test 17 - [Wrong Answer](#) : wrong answer The 1-th number is 93, but participant claims it is 2
- Test 18 - [Wrong Answer](#) : wrong answer The 2-th number is 3, but participant claims it is 2
- Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 2

Submission 139248958

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 21:09:08	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3
4 bool solvable(vector<vector<int>>graph) {
5     vector<bool>visited(graph.size(), 0);
6     queue<int> q;
7     q.push(1);
8     visited[1] = true;
9     while (!q.empty()) {
10         int cur = q.front();
11         q.pop();
12         for (auto it = ++graph[cur].begin(); it != graph[cur].end(); ++it) {
13             if (!visited[*it]) {
14                 q.push(*it);
15                 visited[*it] = true;
16             }
17         }
18     }
19     for (int i = 1; i < graph.size(); i++)
20         if (!visited[i])
21             return false;
22     return true;
23 }
24 void OP(vector<vector<int>>graph, int m) {
25     vector<int>jade(graph.size(), 0);
26     jade[1] = 1;
27     queue<int> q;
28     for (auto it = graph[1].begin(); it != graph[1].end(); ++it) {
29         q.push(*it);
30         jade[*it] = 2;
31     }
32     int t;
33     while (!q.empty()) {
34         int cur = q.front();
35         q.pop();
36         t = jade[cur];
37         for (auto it = graph[cur].begin(); it != graph[cur].end(); ++it) {
38             if (jade[*it] == 0) {
39                 jade[*it] = t + 1;
40                 q.push(*it);
41             }
42             else if (jade[*it] != t - 1 && jade[*it] != t + 1) {
43                 cout << "NO\n";
44                 return;
45             }
46         }
47     }
48 }
```

```

45         }
46     }
47 }
48 vector<int>num(t + 1, 0);
49 for (int i = 1; i < graph.size(); i++)
50     num[jade[i]]++;
51 int sum = 0;
52 for (int i = 1; i < t; i++)
53     sum += num[i] * num[i + 1];
54 if (m != sum) {
55     cout << "NO\n";
56     return;
57 }
58 cout << "YES\n";
59 for (int i = 2; i < graph.size(); i++)
60     cout << jade[i] << ' ';
61 }
62 int main() {
63     int n, m;
64     cin >> n >> m;
65     vector<vector<int>>graph(n + 1);
66     for (int t = 0; t < m; t++) {
67         int a, b;
68         cin >> a >> b;
69         graph[a].push_back(b); graph[b].push_back(a);
70     }
71     OP(graph, m);
72     return 0;
73 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct
 - Test 13 - Accepted : ok OK, participant's solution is correct
 - Test 14 - Accepted : ok OK, participant's solution is correct

- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 139203500

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/11 16:50:14	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 import heapq
2
3 def solve_prayer_puzzle(n, m, connections):
4     adj_list = [[] for _ in range(n + 1)]
5     counts = [float('inf')] * (n + 1)
6     counts[1] = 1
7
8     for u, v in connections:
9         adj_list[u].append((v, 1))
10        adj_list[v].append((u, 1))
11
12    heap = [(1, 1)] # (distance, node)
13
14    while heap:
15        current_dist, current_node = heapq.heappop(heap)
16
17        if current_dist > counts[current_node]:
18            continue
19
20        for neighbor, weight in adj_list[current_node]:
21            if current_dist + weight < counts[neighbor]:
22                counts[neighbor] = current_dist + weight
23                heapq.heappush(heap, (counts[neighbor], neighbor))
24
25    adj_subtract = [abs(counts[i] - counts[i - 1]) for i in range(1, n)]
26
27    connected_set = {vertex for i in range(1, n + 1) for vertex, _ in
28    adj_list[i] if counts[vertex] == counts[i] + 1 and vertex > i}
29
30    if all(adj_subtract) and connected_set == set(range(2, n + 1)):
31        print('YES')
32        print(" ".join(map(str, counts[2:])))
33    else:
34        print('NO')
35
36 def main():
37     n, m = map(int, input().split())
38     connections = [tuple(map(int, input().split())) for _ in range(m)]
39     solve_prayer_puzzle(n, m, connections)
40
41 if __name__ == '__main__':
42     main()
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 139177583

User	Time	Problem	Language	Verdict
a_fly_fish	2023/12/11 11:47:31	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<vector>
4 using namespace std;
5
6 bool isBipartite(int n, int start, vector<int>& color, vector<vector<int>>& G) {
7     int max_color = 1;
8     int flag = 0;
9     queue<int> q;
10    q.push(start);
11    color[start] = max_color;
12    max_color++;
13    while (!q.empty()) {
14        int current = q.front();
15        q.pop();
16
17        for (int neighbor = 1; neighbor <= n; ++neighbor) {
18            if (G[current][neighbor]) {
19                if (color[neighbor] == color[current]) {
20                    // 如果相邻顶点颜色相同，则图不是二部图
21                    return false;
22                }
23
24                if (color[neighbor] == 0) {
25                    // 如果相邻顶点未染色，则染上相反的颜色，并加入队列
26                    color[neighbor] = max_color;
27                    flag = 1;
28                    q.push(neighbor);
29                }
30            }
31        }
32        if (flag == 1)
33        {
34            max_color++;
35            flag = 0;
36        }
37    }
38    return true;
39 }
40
41 // 判断整个图是否为二部图
42 bool isBipartiteGraph(int n, vector<int>& color, vector<vector<int>>& G) {
43     for (int i = 1; i <= n; ++i) {
44         if (color[i] == 0 && !isBipartite(n, i, color, G)) {
```

```

45         // 如果存在未染色的顶点并且从该顶点出发的子图不是二部图，则整个图也不是二部图
46         return false;
47     }
48 }
49
50     return true;
51 }
52 int main()
53 {
54     int n, m;
55     cin >> n >> m;
56     vector<vector<int>> G(n+10, vector<int>(n+10, 0));
57     vector<int> color(n+10, 0);
58     for (int i = 0; i < m; i++)
59     {
60         int u, v;
61         cin >> u >> v;
62         G[u][v] = 1;
63         G[v][u] = 1;
64     }
65     if (isBipartiteGraph(n, color, G))
66     {
67         cout << "YES" << endl;
68         for (int i = 2; i <= n; i++)
69             cout << color[i] << ' ';
70     }
71     else
72         cout << "NO";
73     return 0;
74 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Memory Limit Exceeded :
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Memory Limit Exceeded :
 - Test 8 - Memory Limit Exceeded :
 - Test 9 - Memory Limit Exceeded :
 - Test 10 - Memory Limit Exceeded :
 - Test 11 - Memory Limit Exceeded :
 - Test 12 - Memory Limit Exceeded :
 - Test 13 - Memory Limit Exceeded :

- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 139175033

User	Time	Problem	Language	Verdict
a_fly_fish	2023/12/11 11:03:09	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 using namespace std;
4 int G[10000][10000];
5 int color[10000];
6 bool isBipartite(int n, int start) {
7     int max_color = 1;
8     int flag = 0;
9     queue<int> q;
10    q.push(start);
11    color[start] = max_color;
12    max_color++;
13    while (!q.empty()) {
14        int current = q.front();
15        q.pop();
16
17        for (int neighbor = 1; neighbor <= n; ++neighbor) {
18            if (G[current][neighbor]) {
19                if (color[neighbor] == color[current]) {
20                    // 如果相邻顶点颜色相同，则图不是二部图
21                    return false;
22                }
23
24                if (color[neighbor] == 0) {
25                    // 如果相邻顶点未染色，则染上相反的颜色，并加入队列
26                    color[neighbor] = max_color;
27                    flag = 1;
28                    q.push(neighbor);
29                }
30            }
31        }
32        if (flag == 1)
33        {
34            max_color++;
35            flag = 0;
36        }
37    }
38    return true;
39 }
40
41 // 判断整个图是否为二部图
42 bool isBipartiteGraph(int n) {
43     for (int i = 1; i <= n; ++i) {
44         if (color[i] == 0 && !isBipartite(n, i)) {
45             // 如果存在未染色的顶点并且从该顶点出发的子图不是二部图，则整个图也不是二部图
46         }
47     }
48 }
```

```

46         return false;
47     }
48 }
49
50     return true;
51 }
52 int main()
53 {
54     int n, m;
55     cin >> n >> m;
56     for (int i = 0; i < m; i++)
57     {
58         int u, v;
59         cin >> u >> v;
60         G[u][v] = 1;
61         G[v][u] = 1;
62     }
63     if (isBipartiteGraph(n))
64     {
65         cout << "YES" << endl;
66         for (int i = 2; i <= n; i++)
67             cout << color[i] << ' ';
68     }
69     else
70         cout << "NO";
71     return 0;
72 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Runtime Error](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Runtime Error](#) :
 - Test 8 - [Runtime Error](#) :
 - Test 9 - [Runtime Error](#) :
 - Test 10 - [Runtime Error](#) :
 - Test 11 - [Runtime Error](#) :
 - Test 12 - [Runtime Error](#) :
 - Test 13 - [Runtime Error](#) :
 - Test 14 - [Memory Limit Exceeded](#) :
 - Test 15 - [Memory Limit Exceeded](#) :

- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138984282

User	Time	Problem	Language	Verdict
asdf46	2023/12/9 23:39:21	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 vector<int>vec[100002];
5 int main(){
6     int n,m,a,b,num=1,nowplace,cent=1,d,e,check;
7     cin>>n>>m;
8     int k[100002]={0,1},t[100002]={0};
9     vec[0].push_back(1);
10    while(m--){
11        cin>>a>>b;
12        vec[a].push_back(b);
13        vec[b].push_back(a);
14    }
15    b=0;a=100001;
16    while(cent++){
17        if(num==n) break;
18        vec[a].clear();
19 //cout<<"t"<<b<<cent<<endl;
20 //        m=vec[b][0];//标准
21 //        if(k[m]<) {
22 //            d=a,a=b,b=d;
23 //            continue;
24 //        }
25        for(int j=0;j<vec[m].size();j++){//存下一层
26            d=vec[m][j];
27 //cout<<m<<"hi"<<d<<cent<<endl;
28            if(k[d]) continue;
29            k[d]=cent;num++;
30            vec[a].push_back(d);
31        }
32 //cout<<"g"<<vec[a][0]<<vec[a][1];
33        for(int j=1;j<vec[b].size();j++){//检查这一层
34            e=vec[b][j];
35            if(vec[m].size()!=vec[e].size()) {cout<<"NO";return 0;}
36            for(int i=0;i<=vec[m].size();i++){
37                d=vec[m][i];check=0;
38                for(int l=0;l<=vec[m].size();l++){
39                    if(d==vec[e][l]){
40                        check=1;break;
41                    }
42                if(check==0) {cout<<"NO";return 0;}
43            }
44        }
45        d=a,a=b,b=d;
```

```
46     }
47     cout<<"YES"<<endl;
48     for(int j=2;j<=n;j++) cout<<k[j]<<" ";
49
50 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138980193

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 22:52:34	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32
33     for (int i = 1; i <= n; i++)
34     {
35         Node * p = &v[i];
36         if (v[i].value == 0)continue;
37         while (p->next != NULL)
38         {
39             p = p->next;
40             if (v[p->data].value == 0)
41             {
42                 v[p->data].value = v[i].value + 1;
43             }
44             else
```

```

45         {
46             if (abs(v[p->data].value - v[i].value) != 1)
47             {
48                 cout << "NO" << endl;
49                 return 0;
50             }
51         }
52     }
53 }
54 int sum = 0;
55 int arr[100005] = { 0 };
56 for (int i = 1; i <= n; i++)
57 {
58     arr[v[i].value]++;
59 }
60 for (int i = 1; i <= n; i++)
61 {
62     sum += arr[i] * arr[i - 1];
63 }
64 if (sum != m)
65 {
66     cout << "NO" << endl;
67     return 0;
68 }
69
70 cout << "YES" << endl;
71 for (int i = 2; i < n; i++)
72 {
73     cout << v[i].value << ' ';
74 }
75 cout << v[n].value;
76
77 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 100000]
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct

- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138979619

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 22:47:04	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32
33     for (int i = 1; i <= n; i++)
34     {
35         Node * p = &v[i];
36         if (v[i].value == 0)continue;
37         while (p->next != NULL)
38         {
39             p = p->next;
40             if (v[p->data].value == 0)
41             {
42                 v[p->data].value = v[i].value + 1;
43             }
44             else
```

```

45         {
46             if (abs(v[p->data].value - v[i].value) != 1)
47             {
48                 cout << "NO" << endl;
49                 return 0;
50             }
51         }
52     }
53 }
54 int sum = 0;
55 int arr[100005] = { 0 };
56 for (int i = 1; i <= n; i++)
57 {
58     arr[v[i].value]++;
59 }
60 for (int i = 1; i <= n; i++)
61 {
62     sum += arr[i] * arr[i - 1];
63 }
64 if (sum != m)
65 {
66     cout << "NO" << endl;
67     return 0;
68 }
69
70 cout << "YES" << endl;
71 for (int i = 2; i <= n; i++)
72 {
73     if(v[i].value!=0)
74         cout << v[i].value << ' ';
75 }
76
77 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 5
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct

- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138979572

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 22:46:41	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32
33     for (int i = 1; i <= n; i++)
34     {
35         Node * p = &v[i];
36         if (v[i].value == 0)continue;
37         while (p->next != NULL)
38         {
39             p = p->next;
40             if (v[p->data].value == 0)
41             {
42                 v[p->data].value = v[i].value + 1;
43             }
44             else
```

```

45         {
46             if (abs(v[p->data].value - v[i].value) != 1)
47             {
48                 cout << "NO" << endl;
49                 return 0;
50             }
51         }
52     }
53 }
54 int sum = 0;
55 int arr[100005] = { 0 };
56 for (int i = 1; i <= n; i++)
57 {
58     arr[v[i].value]++;
59 }
60 for (int i = 1; i <= n; i++)
61 {
62     sum += arr[i] * arr[i - 1];
63 }
64 if (sum != m)
65 {
66     cout << "NO" << endl;
67     return 0;
68 }
69
70 cout << "YES" << endl;
71 for (int i = 2; i <= n; i++)
72 {
73     if(v[i].value!=0)
74         cout << v[i].value << ' ';
75 }

```

Test Detail

- Compile Error

```

1 /tmp/compiler__6tcj3a5/src: 在函数'int main()'中:
2 /tmp/compiler__6tcj3a5/src:75:2: 错误: expected '}' at end of input
3     75 |   }
4     |   ^
5 /tmp/compiler__6tcj3a5/src:11:1: 附注: to match this '{'
6     11 | {
7     |   ^
8

```

Submission 138979352

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 22:44:38	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32
33     for (int i = 1; i <= n; i++)
34     {
35         Node * p = &v[i];
36         if (v[i].value == 0)continue;
37         while (p->next != NULL)
38         {
39             p = p->next;
40             if (v[p->data].value == 0)
41             {
42                 v[p->data].value = v[i].value + 1;
43             }
44             else
```

```

45         {
46             if (abs(v[p->data].value - v[i].value) != 1)
47             {
48                 cout << "NO" << endl;
49                 return 0;
50             }
51         }
52     }
53 }
54 int sum = 0;
55 int arr[100005] = { 0 };
56 for (int i = 1; i <= n; i++)
57 {
58     arr[v[i].value]++;
59 }
60 for (int i = 1; i <= n; i++)
61 {
62     sum += arr[i] * arr[i - 1];
63 }
64 if (sum != m)
65 {
66     cout << "NO" << endl;
67     return 0;
68 }
69
70 cout << "YES" << endl;
71 for (int i = 2; i <= n; i++)
72 {
73     cout << v[i].value << ' ';
74 }
75
76 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 100000]
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct

- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138975138

User	Time	Problem	Language	Verdict
YLXS	2023/12/9 22:13:02	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int N = 1e5 + 100;
6 int n, m, dep[N], ans[N], cn[N];
7 vector <int> e[N];
8 int main(){
9     ios::sync_with_stdio(false);
10    cin.tie(0);
11    cout.tie(0);
12    cin >> n >> m;
13    for(int i = 1; i <= m; i++){
14        int u, v;
15        cin >> u >> v;
16        e[v].pb(u), e[u].pb(v);
17    }
18    cn[1] = ans[1] = 1;
19    queue <int> q;
20    q.push(1);
21    bool flag = 1;
22    while(!q.empty()){
23        int v = q.front(), cnt = 0;
24        q.pop();
25        for(int u: e[v]){
26            if(ans[u]){
27                if(ans[u] == ans[v] - 1){
28                    ++cnt;
29                }else if(ans[u] != ans[v] + 1){
30                    flag = 0;
31                    break;
32                }
33            }else{
34                ans[u] = ans[v] + 1;
35                ++cn[ans[u]];
36                q.push(u);
37            }
38        }
39        if(!flag || cnt != cn[ans[v] - 1]){
40            flag = 0;
41            break;
42        }
43    }
44    if(flag){
45        cout << "YES\n";
46    }
47}
```

```
46         for(int i = 2; i <= n; i++) cout << ans[i] << " ";
47     }else cout << "NO\n";
48 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct
 - Test 13 - Accepted : ok OK, participant's solution is correct
 - Test 14 - Accepted : ok OK, participant's solution is correct
 - Test 15 - Accepted : ok OK, participant's solution is correct
 - Test 16 - Accepted : ok OK, participant's solution is correct
 - Test 17 - Accepted : ok OK, participant's solution is correct
 - Test 18 - Accepted : ok OK, participant's solution is correct
 - Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138973905

User	Time	Problem	Language	Verdict
YLXS	2023/12/9 22:04:41	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int N = 1e5 + 100;
6 int n, m, dep[N], ans[N], fa[N];
7 vector <int> e[N];
8 int main(){
9     ios::sync_with_stdio(false);
10    cin.tie(0);
11    cout.tie(0);
12    cin >> n >> m;
13    for(int i = 1; i <= m; i++){
14        int u, v;
15        cin >> u >> v;
16        e[v].pb(u), e[u].pb(v);
17    }
18    ans[1] = 1, fa[1] = 1;
19    queue <int> q;
20    q.push(1);
21    bool flag = 1;
22    while(!q.empty()){
23        int v = q.front();
24        q.pop();
25        for(int u: e[v]){
26            if(fa[v] == u) continue;
27            if(ans[u]){
28                if(ans[u] != ans[v] + 1 && ans[u] != ans[v] - 1){
29                    flag = 0;
30                    break;
31                }
32            }else{
33                fa[u] = v;
34                ans[u] = ans[v] + 1;
35                q.push(u);
36            }
37        }
38    }
39    if(flag){
40        cout << "YES\n";
41        for(int i = 2; i <= n; i++) cout << ans[i] << " ";
42    }else cout << "NO\n";
43 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Accepted** : ok OK, participant's solution is correct
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Accepted** : ok OK, participant's solution is correct
 - Test 8 - **Accepted** : ok OK, participant's solution is correct
 - Test 9 - **Accepted** : ok OK, participant's solution is correct
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 12 - **Accepted** : ok OK, participant's solution is correct
 - Test 13 - **Accepted** : ok OK, participant's solution is correct
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138973850

User	Time	Problem	Language	Verdict
YLXS	2023/12/9 22:04:18	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int N = 1e5 + 100;
6 int n, m, dep[N], ans[N], fa[N];
7 vector <int> e[N];
8 int main(){
9     ios::sync_with_stdio(false);
10    cin.tie(0);
11    cout.tie(0);
12    cin >> n >> m;
13    for(int i = 1; i <= m; i++){
14        int u, v;
15        cin >> u >> v;
16        e[v].pb(u), e[u].pb(v);
17    }
18    ans[1] = 1, fa[1] = 1;
19    queue <int> q;
20    q.push(1);
21    bool flag = 0;
22    // while(!q.empty()){
23    //     int v = q.front();
24    //     q.pop();
25    //     for(int u: e[v]){
26    //         if(fa[v] == u) continue;
27    //         if(ans[u]){
28    //             if(ans[u] != ans[v] + 1 && ans[u] != ans[v] - 1){
29    //                 flag = 0;
30    //                 break;
31    //             }
32    //         }else{
33    //             fa[u] = v;
34    //             ans[u] = ans[v] + 1;
35    //             q.push(u);
36    //         }
37    //     }
38    // }
39    if(flag){
40        cout << "YES\n";
41        for(int i = 2; i <= n; i++) cout << ans[i] << " ";
42    }else cout << "NO\n";
43 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138973544

User	Time	Problem	Language	Verdict
YLXS	2023/12/9 22:02:21	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int N = 1e5 + 100;
6 int n, m, dep[N], ans[N], fa[N];
7 vector <int> e[N];
8 int main(){
9     ios::sync_with_stdio(false);
10    cin.tie(0);
11    cout.tie(0);
12    cin >> n >> m;
13    for(int i = 1; i <= m; i++){
14        int u, v;
15        cin >> u >> v;
16        e[v].pb(u), e[u].pb(v);
17    }
18    ans[1] = 1, fa[1] = 1;
19    queue <int> q;
20    q.push(1);
21    bool flag = 1;
22    while(!q.empty()){
23        int v = q.front();
24        q.pop();
25        for(int u: e[v]){
26            if(fa[v] == u) continue;
27            if(ans[u]){
28                if(ans[u] != ans[v] + 1 && ans[u] != ans[v] - 1){
29                    flag = 0;
30                    break;
31                }
32            }else{
33                fa[u] = v;
34                ans[u] = ans[v] + 1;
35                q.push(u);
36            }
37        }
38    }
39    if(flag){
40        cout << "YES\n";
41        for(int i = 2; i <= n; i++) cout << ans[i] << " ";
42    }else cout << "NO\n";
43 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Accepted** : ok OK, participant's solution is correct
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Accepted** : ok OK, participant's solution is correct
 - Test 8 - **Accepted** : ok OK, participant's solution is correct
 - Test 9 - **Accepted** : ok OK, participant's solution is correct
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 12 - **Accepted** : ok OK, participant's solution is correct
 - Test 13 - **Accepted** : ok OK, participant's solution is correct
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138949401

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 19:56:36	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     int n , m;
9     //n, m, 代表点的数量和边的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12
13    vector<vector<int>> matrix(n, vector<int>(n, 0));
14
15    //邻接矩阵赋值
16    for(int i = 0;i<m;i++){
17        int u,v;
18        cin>>u>>v;
19        matrix[u-1][v-1] = 1;
20        matrix[v-1][u-1] = 1;
21    }
22
23    // matrix = {
24    //     {0,1,0,1,0},
25    //     {1,0,1,0,1},
26    //     {0,1,0,1,0},
27    //     {1,0,1,0,1},
28    //     {0,1,0,1,0}};
29
30    vector<int>node_arr(n);
31    vector<int>visit_arr(n);
32    node_arr[0] = 1;
33    visit_arr[0] = 1;
34    // int flag = 0;
35    //边数
36    // int bian = m;
37
38    //广度优先遍历
39    vector<int>query_arr(n);
40    query_arr.push_back(0);
41
42    while (query_arr.size()>0)
43    {
44        for(int i = 0;i<n;i++){
45            //与队列目前元素相连接并且该点未被访问过
```

```
46         if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
47             query_arr.push_back(i);
48             node_arr[i] = node_arr[query_arr[0]]+1;
49             visit_arr[i] = 1;
50         }
51     }
52     //flag = flag + 1;
53     query_arr.erase(query_arr.begin());
54
55 }
56
57 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
58 //剩下的边
59 int bian_lost = m;
60
61 for(int i = 1;i < *maxElement;i++){
62     vector<int> a;
63     vector<int> b;
64     //对node_arr循环，找勾玉值为i的所有结点
65     for(int j = 0;j<n;j++){
66         if(node_arr[j]==i){
67             a.push_back(j);
68             // cout<<"a"<<j;
69         }
70     }
71     //找勾玉值为i+1的所有结点
72     for(int k = 0;k<n;k++){
73         if(node_arr[k]==i+1){
74             b.push_back(k);
75             //cout<<"b"<<k;
76         }
77     }
78     int a_len = a.size();
79     int b_len = b.size();
80     //bian_lost -= a_len;
81     if(bian_lost < a_len*b_len){
82         cout<<"no";
83         return 0 ;
84     }
85     else{
86         bian_lost -= a_len*b_len;
87     }
88 }
89
90
91
92 // for(int i = 0;i<n;i++){
93 //     for(int j = 0;j<n;j++){
94 //         cout<<matrix[i][j];
95 //     }
96 //     cout<<endl;
97 // }
98
99 cout<<"yes"<<endl;
100 for(int k =1;k<n;k++){
101     cout<<node_arr[k]<<" ";
```

```
102     }
103
104     return 0;
105 }
106
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138947972

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 19:49:57	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算(45分)
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     int n , m;
9     //n, m, 代表点的数量和边的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12
13    vector<vector<int>> matrix(n, vector<int>(n, 0));
14
15    //邻接矩阵赋值
16    for(int i = 0;i<m;i++){
17        int u,v;
18        cin>>u>>v;
19        matrix[u-1][v-1] = 1;
20        matrix[v-1][u-1] = 1;
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29
30    vector<int>node_arr(n);
31    vector<int>visit_arr(n);
32    node_arr[0] = 1;
33    visit_arr[0] = 1;
34    // int flag = 0;
35    //边数
36    // int bian = m;
37
38    //广度优先遍历
39    vector<int>query_arr(n);
40    query_arr.push_back(0);
41
42    while (query_arr.size()>0)
43    {
44        for(int i = 0;i<n;i++){
45            //与队列目前元素相连接并且该点未被访问过
```

```

46         if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
47             query_arr.push_back(i);
48             node_arr[i] = node_arr[query_arr[0]]+1;
49             visit_arr[i] = 1;
50         }
51     }
52     //flag = flag + 1;
53     query_arr.erase(query_arr.begin());
54
55 }
56
57 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
58 //剩下的边
59 int bian_lost = m;
60
61 for(int i = 2;i < *maxElement;i++){
62     vector<int> a;
63     vector<int> b;
64     //对node_arr循环，找勾玉值为i的所有结点
65     for(int j = 0;j<n;j++){
66         if(node_arr[j]==i){
67             a.push_back(j);
68             // cout<<"a"<<j;
69         }
70     }
71     //找勾玉值为i+1的所有结点
72     for(int k = 0;k<n;k++){
73         if(node_arr[k]==i+1){
74             b.push_back(k);
75             //cout<<"b"<<k;
76         }
77     }
78     int a_len = a.size();
79     int b_len = b.size();
80     bian_lost -= a_len;
81     if(bian_lost < a_len*b_len){
82         cout<<"no";
83         return 0 ;
84     }
85 }
86
87
88
89 // for(int i = 0;i<n;i++){
90 //     for(int j = 0;j<n;j++){
91 //         cout<<matrix[i][j];
92 //     }
93 //     cout<<endl;
94 // }
95
96 cout<<"yes"<<endl;
97 for(int k =1;k<n;k++){
98     cout<<node_arr[k]<<" ";
99 }
100
101 return 0;

```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :
 - Test 9 - **Memory Limit Exceeded** :
 - Test 10 - **Memory Limit Exceeded** :
 - Test 11 - **Memory Limit Exceeded** :
 - Test 12 - **Memory Limit Exceeded** :
 - Test 13 - **Memory Limit Exceeded** :
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138943537

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 19:28:37	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     long long n , m;
9     //n, m, 代表点的数量和边的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
13
14    //邻接矩阵赋值
15    for(long long i = 0;i<m;i++){
16        long long u,v;
17        cin>>u>>v;
18        matrix[u-1][v-1] = 1;
19        matrix[v-1][u-1] = 1;
20
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29    vector<long long>node_arr(n);
30    vector<long long>visit_arr(n);
31    node_arr[0] = 1;
32    visit_arr[0] = 1;
33    // long long flag = 0;
34    //边数
35    // long long bian = m;
36
37    //广度优先遍历
38    vector<long long>query_arr(n);
39    query_arr.push_back(0);
40
41    while (query_arr.size()>0)
42    {
43        for(long long i = 0;i<n;i++){
44            //与队列目前元素相连接并且该点未被访问过
45            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
```

```

46         query_arr.push_back(i);
47         node_arr[i] = node_arr[query_arr[0]]+1;
48         visit_arr[i] = 1;
49     }
50 }
//flag = flag + 1;
52 query_arr.erase(query_arr.begin());
53 }
55
56 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
//剩下的边
58 long long bian_lost = m;
59
60 for(long long i = 2;i < *maxElement;i++){
61     vector<long long> a;
62     vector<long long> b;
63     //对node_arr循环，找勾玉值为i的所有结点
64     for(long long j = 0;j<n;j++){
65         if(node_arr[j]==i){
66             a.push_back(j);
67             // cout<<"a"<<j;
68         }
69     }
70     //找勾玉值为i+1的所有结点
71     for(long long k = 0;k<n;k++){
72         if(node_arr[k]==i+1){
73             b.push_back(k);
74             //cout<<"b"<<k;
75         }
76     }
77     long long a_len = a.size();
78     long long b_len = b.size();
79     bian_lost -= a_len;
80     if(bian_lost < a_len*b_len){
81         cout<<"no";
82         return 0 ;
83     }
84 }
85
86
87
88 // for(long long i = 0;i<n;i++){
89 //     for(long long j = 0;j<n;j++){
90 //         cout<<matrix[i][j];
91 //     }
92 //     cout<<endl;
93 // }
94
95 cout<<"yes"<<endl;
96 for(long long k =1;k<n;k++){
97     cout<<node_arr[k]<< " ";
98 }
99
100 return 0;
101 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :
 - Test 9 - **Memory Limit Exceeded** :
 - Test 10 - **Memory Limit Exceeded** :
 - Test 11 - **Memory Limit Exceeded** :
 - Test 12 - **Memory Limit Exceeded** :
 - Test 13 - **Memory Limit Exceeded** :
 - Test 14 - **Memory Limit Exceeded** :
 - Test 15 - **Memory Limit Exceeded** :
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138942701

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 19:24:33	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 //试图通过边数来计算
2
3 #include<iostream>
4 #include<vector>
5 #include <algorithm>
6 using namespace std;
7 int main(){
8     long long n , m;
9     //n, m, 代表点的数量和边的数量
10    //n = 5;m=6;
11    cin>>n>>m;
12    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
13
14    //邻接矩阵赋值
15    for(long long i = 0;i<m;i++){
16        long long u,v;
17        cin>>u>>v;
18        matrix[u-1][v-1] = 1;
19        matrix[v-1][u-1] = 1;
20
21    }
22    // matrix = {
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0},
26    //     {1,0,1,0,1},
27    //     {0,1,0,1,0}};
28
29    vector<long long>node_arr(n);
30    vector<long long>visit_arr(n);
31    node_arr[0] = 1;
32    visit_arr[0] = 1;
33    // long long flag = 0;
34    //边数
35    // long long bian = m;
36
37    //广度优先遍历
38    vector<long long>query_arr(n);
39    query_arr.push_back(0);
40
41    while (query_arr.size()>0)
42    {
43        for(long long i = 0;i<n;i++){
44            //与flag点相连接并且该点未被访问过
45            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
```

```

46         query_arr.push_back(i);
47         node_arr[i] = node_arr[query_arr[0]]+1;
48         visit_arr[i] = 1;
49     }
50 }
//flag = flag + 1;
52 query_arr.erase(query_arr.begin());
53 }
54 }
55
56 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
57 //剩下的边
58 long long bian_lost = m;
59
60 for(long long i = 2;i < *maxElement;i++){
61     vector<long long> a;
62     vector<long long> b;
63     //对node_arr循环，找勾玉值为i的所有结点
64
65     for(long long j = 0;j<n;j++){
66         if(node_arr[j]==i){
67             a.push_back(j);
68             // cout<<"a"<<j;
69         }
70     }
71     for(long long k = 0;k<n;k++){
72         if(node_arr[k]==i+1){
73             b.push_back(k);
74             //cout<<"b"<<k;
75         }
76     }
77     bian_lost -= a.size();
78     if(bian_lost < a.size()*b.size()){
79         cout<<"no";
80         return 0 ;
81     }
82 }
83 }
84
85
86
87 // for(long long i = 0;i<n;i++){
88 //     for(long long j = 0;j<n;j++){
89 //         cout<<matrix[i][j];
90 //     }
91 //     cout<<endl;
92 // }
93
94 cout<<"yes"<<endl;
95 for(long long k =1;k<n;k++){
96     cout<<node_arr[k]<<" ";
97 }
98
99 return 0;
100}
101

```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :
 - Test 9 - **Memory Limit Exceeded** :
 - Test 10 - **Memory Limit Exceeded** :
 - Test 11 - **Memory Limit Exceeded** :
 - Test 12 - **Memory Limit Exceeded** :
 - Test 13 - **Memory Limit Exceeded** :
 - Test 14 - **Memory Limit Exceeded** :
 - Test 15 - **Memory Limit Exceeded** :
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138936840

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 18:55:56	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include <algorithm>
4 using namespace std;
5 int main(){
6     long long n , m;
7     //n, m, 代表点的数量和边梁的数量
8     //n = 5;m=6;
9     cin>>n>>m;
10    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
11
12    //邻接矩阵赋值
13    for(long long i = 0;i<m;i++){
14        long long u,v;
15        cin>>u>>v;
16        matrix[u-1][v-1] = 1;
17        matrix[v-1][u-1] = 1;
18    }
19    // matrix = {
20    //     {0,1,0,1,0},
21    //     {1,0,1,0,1},
22    //     {0,1,0,1,0},
23    //     {1,0,1,0,1},
24    //     {0,1,0,1,0}};
25
26
27    vector<long long>node_arr(n);
28    vector<long long>visit_arr(n);
29    node_arr[0] = 1;
30    visit_arr[0] = 1;
31    // long long flag = 0;
32
33    //广度优先遍历
34    vector<long long>query_arr(n);
35    query_arr.push_back(0);
36
37    while (query_arr.size()>0)
38    {
39        for(long long i = 0;i<n;i++){
40            //与flag点相连接并且该点未被访问过
41            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
42                query_arr.push_back(i);
43                node_arr[i] = node_arr[query_arr[0]]+1;
44                visit_arr[i] = 1;
45            }
46        }
47    }
48}
```

```

46     }
47     //flag = flag + 1;
48     query_arr.erase(query_arr.begin());
49
50 }
51 //找最大值
52 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
53
54 for(long long i = 2;i <= *maxElement;i++){
55     for(long long j = 0;j<n;j++){
56         for(long long k = 0;k<n;k++){
57             if (node_arr[j] == i && node_arr[k] == i + 1 && matrix[j][k]
58 != 1) {
59                 cout << "no";
60                 return 0;
61             }
62         }
63     }
64
65
66
67 // for(long long i = 0;i<n;i++){
68 //     for(long long j = 0;j<n;j++){
69 //         cout<<matrix[i][j];
70 //     }
71 //     cout<<endl;
72 // }
73
74 cout<<"yes"<<endl;
75 for(long long k = 1;k<n;k++){
76     cout<<node_arr[k]<< " ";
77 }
78
79 return 0;
80 }
81

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :

- Test 9 - **Memory Limit Exceeded** :
- Test 10 - **Memory Limit Exceeded** :
- Test 11 - **Memory Limit Exceeded** :
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Memory Limit Exceeded** :
- Test 14 - **Memory Limit Exceeded** :
- Test 15 - **Memory Limit Exceeded** :
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138933033

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 18:33:10	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include <algorithm>
4 using namespace std;
5 int main(){
6     long long n , m;
7     //n, m, 代表点的数量和边染的数量
8     //n = 5;m=6;
9     cin>>n>>m;
10    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
11
12    //邻接矩阵赋值
13    for(long long i = 0;i<m;i++){
14        long long u,v;
15        cin>>u>>v;
16        matrix[u-1][v-1] = 1;
17        matrix[v-1][u-1] = 1;
18    }
19    // matrix = {
20    //     {0,1,0,1,0},
21    //     {1,0,1,0,1},
22    //     {0,1,0,1,0},
23    //     {1,0,1,0,1},
24    //     {0,1,0,1,0}};
25
26
27    vector<long long>node_arr(n);
28    vector<long long>visit_arr(n);
29    node_arr[0] = 1;
30    visit_arr[0] = 1;
31    // long long flag = 0;
32
33    //广度优先遍历
34    vector<long long>query_arr(n);
35    query_arr.push_back(0);
36
37    while (query_arr.size()>0)
38    {
39        for(long long i = 0;i<n;i++){
40            //与flag点相连接并且该点未被访问过
41            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
42                query_arr.push_back(i);
43                node_arr[i] = node_arr[query_arr[0]]+1;
44                visit_arr[i] = 1;
45            }
46        }
47    }
48}
```

```

46     }
47     //flag = flag + 1;
48     query_arr.erase(query_arr.begin());
49
50 }
51 //找最大值
52 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
53
54 for(long long i = 2;i <= *maxElement;i++){
55     vector<long long> a;
56     vector<long long> b;
57     //对node_arr循环，找勾玉值为i的所有结点
58
59     for(long long j = 0;j<n;j++){
60         if(node_arr[j]==i){
61             a.push_back(j);
62             // cout<<"a"<<j;
63
64         }
65     }
66     for(long long k = 0;k<n;k++){
67         if(node_arr[k]==i+1){
68             b.push_back(k);
69             //cout<<"b"<<k;
70         }
71     }
72     // cout<<"size"<<a.size();
73     for(long long s =0;s<a.size();s++){
74         for(long long t =0;t<b.size();t++){
75             //cout<<"s"<<s<<"t"<<t<<endl;
76
77             if(matrix[a[s]][b[t]] !=1){
78                 cout<<"no";
79                 return 0;
80             }
81         }
82     }
83 }
84
85
86
87 // for(long long i = 0;i<n;i++){
88 //     for(long long j = 0;j<n;j++){
89 //         cout<<matrix[i][j];
90 //     }
91 //     cout<<endl;
92 // }
93
94 cout<<"yes"<<endl;
95 for(long long k =1;k<n;k++){
96     cout<<node_arr[k]<<" ";
97 }
98
99 return 0;
100}
101

```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :
 - Test 9 - **Memory Limit Exceeded** :
 - Test 10 - **Memory Limit Exceeded** :
 - Test 11 - **Memory Limit Exceeded** :
 - Test 12 - **Memory Limit Exceeded** :
 - Test 13 - **Memory Limit Exceeded** :
 - Test 14 - **Memory Limit Exceeded** :
 - Test 15 - **Memory Limit Exceeded** :
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138932181

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 18:27:53	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include <algorithm>
4 using namespace std;
5 int main(){
6     long long n , m;
7     //n, m, 代表点的数量和边染的数量
8     //n = 5;m=6;
9     cin>>n>>m;
10    vector<vector<long long>> matrix(n, vector<long long>(n, 0));
11
12    //邻接矩阵赋值
13    for(long long i = 0;i<m;i++){
14        long long u,v;
15        cin>>u>>v;
16        matrix[u-1][v-1] = 1;
17        matrix[v-1][u-1] = 1;
18    }
19
20    // matrix = {
21    //     {0,1,0,1,0},
22    //     {1,0,1,0,1},
23    //     {0,1,0,1,0},
24    //     {1,0,1,0,1},
25    //     {0,1,0,1,0}};
26
27    vector<long long>node_arr(n);
28    vector<long long>visit_arr(n);
29    node_arr[0] = 1;
30    visit_arr[0] = 1;
31    // long long flag = 0;
32
33    //广度优先遍历
34    vector<long long>query_arr(n);
35    query_arr.push_back(0);
36
37    while (query_arr.size()>0)
38    {
39        for(long long i = 0;i<n;i++){
40            //与flag点相连接并且该点未被访问过
41            if(matrix[query_arr[0]][i]==1&&visit_arr[i]!=1){
42                query_arr.push_back(i);
43                node_arr[i] = i+2;
44                visit_arr[i] = 1;
45            }
46        }
47    }
48}
```

```
46     }
47     //flag = flag + 1;
48     query_arr.erase(query_arr.begin());
49
50 }
51 //找最大值
52 auto maxElement = std::max_element(node_arr.begin(), node_arr.end());
53
54 for(long long i = 2;i <= *maxElement;i++){
55     vector<long long> a;
56     vector<long long> b;
57     //对node_arr循环，找勾玉值为i的所有结点
58
59     for(long long j = 0;j<n;j++){
60         if(node_arr[j]==i){
61             a.push_back(j);
62             // cout<<"a"<<j;
63
64         }
65     }
66     for(long long k = 0;k<n;k++){
67         if(node_arr[k]==i+1){
68             b.push_back(k);
69             //cout<<"b"<<k;
70         }
71     }
72     // cout<<"size"<<a.size();
73     for(long long s =0;s<a.size();s++){
74         for(long long t =0;t<b.size();t++){
75             //cout<<"s"<<s<<"t"<<t<<endl;
76
77             if(matrix[a[s]][b[t]] !=1){
78                 cout<<"no";
79                 return 0;
80             }
81         }
82     }
83 }
84
85
86
87 // for(long long i = 0;i<n;i++){
88 //     for(long long j = 0;j<n;j++){
89 //         cout<<matrix[i][j];
90 //     }
91 //     cout<<endl;
92 // }
93
94 cout<<"yes"<<endl;
95 for(long long k =1;k<n;k++){
96     cout<<node_arr[k]<<" ";
97 }
98
99 return 0;
100 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong answer The 1-th number is 2, but participant claims it is 3
 - Test 1 - **Wrong Answer** : wrong answer The 1-th number is 2, but participant claims it is 3
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Wrong Answer** : wrong answer Integer parameter [name=c] equals to 3, violates the range [2, 2]
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :
 - Test 9 - **Memory Limit Exceeded** :
 - Test 10 - **Memory Limit Exceeded** :
 - Test 11 - **Memory Limit Exceeded** :
 - Test 12 - **Memory Limit Exceeded** :
 - Test 13 - **Memory Limit Exceeded** :
 - Test 14 - **Memory Limit Exceeded** :
 - Test 15 - **Memory Limit Exceeded** :
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138861250

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 14:49:58	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表点的数量和边染的数量
7     //n = 5;m=6;
8     cin>>n>>m;
9     vector<vector<long long>> matrix(n, vector<long long>(n, 0));
10
11    //邻接矩阵赋值
12    for(long long i = 0;i<m;i++){
13        long long u,v;
14        cin>>u>>v;
15        matrix[u-1][v-1] = 1;
16        matrix[v-1][u-1] = 1;
17
18    }
19    // matrix = {
20    //     {0,1,0,1,0},
21    //     {1,0,1,0,1},
22    //     {0,1,0,1,0},
23    //     {1,0,1,0,1},
24    //     {0,1,0,1,0}};
25
26    vector<long long>node_arr(n);
27    vector<long long>visit_arr(n);
28    node_arr[0] = 1;
29    visit_arr[0] = 1;
30    long long flag = 0;
31    for(long long i = 0;i<n;i++){
32
33        for(long long j = i;j<n;j++){
34
35            if (matrix[i][j]==1 &&visit_arr[j]!=1){
36                node_arr[j] = node_arr[i]+1;
37                visit_arr[j] = 1;
38                if(node_arr[j]>flag){
39                    flag++;
40                }
41                //matrix[j][i]+=(i+1);
42
43            }
44
45        }
46    }
47}
```

```
46
47     }
48
49     //cout<<flag;
50
51     for(long long i = 2;i <= flag;i++){
52         vector<long long> a;
53         vector<long long> b;
54         //对node_arr循环，找勾玉值为i的所有结点
55
56         for(long long j = 0;j<n;j++){
57             if(node_arr[j]==i){
58                 a.push_back(j);
59                 // cout<<"a"<<j;
60
61             }
62         }
63         for(long long k = 0;k<n;k++){
64             if(node_arr[k]==i+1){
65                 b.push_back(k);
66                 //cout<<"b"<<k;
67
68             }
69         }
70     }
71     // cout<<"size"<<a.size();
72     for(long long s =0;s<a.size();s++){
73         for(long long t =0;t<b.size();t++){
74             //cout<<"s"<<s<<"t"<<t<<endl;
75
76             if(matrix[a[s]][b[t]] !=1){
77                 cout<<"no";
78                 return 0;
79             }
80         }
81     }
82 }
83
84
85
86     // for(long long i = 0;i<n;i++){
87     //     for(long long j = 0;j<n;j++){
88     //         cout<<matrix[i][j];
89     //     }
90     //     cout<<endl;
91     // }
92
93     cout<<"yes"<<endl;
94     for(long long k =1;k<n;k++){
95         cout<<node_arr[k]<<" ";
96     }
97
98     return 0;
99 }
100 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :
 - Test 9 - **Memory Limit Exceeded** :
 - Test 10 - **Memory Limit Exceeded** :
 - Test 11 - **Memory Limit Exceeded** :
 - Test 12 - **Memory Limit Exceeded** :
 - Test 13 - **Memory Limit Exceeded** :
 - Test 14 - **Memory Limit Exceeded** :
 - Test 15 - **Memory Limit Exceeded** :
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138854031

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 14:31:36	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     long long n , m;
6     //n, m, 代表点的数量和边染的数量
7     //n = 5;m=6;
8     cin>>n>>m;
9     vector<vector<long long>> matrix(n, vector<long long>(n, 0));
10
11    //邻接矩阵赋值
12    for(long long i = 0;i<m;i++){
13        long long u,v;
14        cin>>u>>v;
15        matrix[u-1][v-1] = 1;
16        matrix[v-1][u-1] = 1;
17
18    }
19    // matrix = {
20    //     {0,1,0,1,0},
21    //     {1,0,1,0,1},
22    //     {0,1,0,1,0},
23    //     {1,0,1,0,1},
24    //     {0,1,0,1,0}};
25
26    vector<long long>node_arr(n);
27    vector<long long>visit_arr(n);
28    node_arr[0] = 1;
29    visit_arr[0] = 1;
30    long long flag = 0;
31    for(long long i = 0;i<n;i++){
32
33        for(long long j = i;j<n;j++){
34
35            if (matrix[i][j]==1 &&visit_arr[j]!=1){
36
37
38                node_arr[j] = node_arr[i]+1;
39                visit_arr[j] = 1;
40                //matrix[j][i]+=(i+1);
41
42            }
43
44        }
45        if(node_arr[i]>flag){
```

```
46         flag++;
47     }
48 }
49
50 //cout<<flag;
51
52 for(long long i = 2;i <= flag;i++){
53     vector<long long> a;
54     vector<long long> b;
55     //对node_arr循环，找勾玉值为i的所有结点
56
57     for(long long j = 0;j<n;j++){
58         if(node_arr[j]==i){
59             a.push_back(j);
60             // cout<<"a"<<j;
61
62         }
63     }
64     for(long long k = 0;k<n;k++){
65         if(node_arr[k]==i+1){
66             b.push_back(k);
67             //cout<<"b"<<k;
68
69         }
70     }
71 }
72 // cout<<"size"<<a.size();
73 for(long long s =0;s<a.size();s++){
74     for(long long t =0;t<b.size();t++){
75         //cout<<"s"<<s<<"t"<<t<<endl;
76
77         if(matrix[a[s]][b[t]] !=1){
78             cout<<"no";
79             return 0;
80         }
81     }
82 }
83 }
84
85
86
87 // for(long long i = 0;i<n;i++){
88 //     for(long long j = 0;j<n;j++){
89 //         cout<<matrix[i][j];
90 //     }
91 //     cout<<endl;
92 // }
93
94 cout<<"yes"<<endl;
95 for(long long k =1;k<n;k++){
96     cout<<node_arr[k]<<" ";
97 }
98
99 return 0;
100 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :
 - Test 9 - **Memory Limit Exceeded** :
 - Test 10 - **Memory Limit Exceeded** :
 - Test 11 - **Memory Limit Exceeded** :
 - Test 12 - **Memory Limit Exceeded** :
 - Test 13 - **Memory Limit Exceeded** :
 - Test 14 - **Memory Limit Exceeded** :
 - Test 15 - **Memory Limit Exceeded** :
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138853761

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 14:30:54	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32
33     for (int i = 1; i <= n; i++)
34     {
35         Node * p = &v[i];
36         if (v[i].value == 0)continue;
37         while (p->next != NULL)
38         {
39             p = p->next;
40             if (v[p->data].value == 0)
41             {
42                 v[p->data].value = v[i].value + 1;
43             }
44             else
```

```

45         {
46             if (abs(v[p->data].value - v[i].value) != 1)
47             {
48                 cout << "NO" << endl;
49                 return 0;
50             }
51         }
52     }
53 }
54 int sum = 0;
55 int arr[100005] = { 0 };
56 for (int i = 1; i <= n; i++)
57 {
58     arr[v[i].value]++;
59 }
60 for (int i = 1; i <= n; i++)
61 {
62     sum += arr[i] * arr[i - 1];
63 }
64 if (sum != m)
65 {
66     cout << "NO" << endl;
67     return 0;
68 }
69
70 cout << "YES" << endl;
71 for (int i = 2; i <= n; i++)
72 {
73     cout << v[i].value << ' ';
74 }
75
76 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 100000]
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct

- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138840549

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 13:52:57	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     int n , m;
6     //n, m, 代表点的数量和边染的数量
7     //n = 5;m=6;
8     cin>>n>>m;
9     vector<vector<int>> matrix(n, vector<int>(n, 0));
10
11    //邻接矩阵赋值
12    for(int i = 0;i<m;i++){
13        long long u,v;
14        cin>>u>>v;
15        matrix[u-1][v-1] = 1;
16        matrix[v-1][u-1] = 1;
17
18    }
19    // matrix = {
20    //     {0,1,0,1,0},
21    //     {1,0,1,0,1},
22    //     {0,1,0,1,0},
23    //     {1,0,1,0,1},
24    //     {0,1,0,1,0}};
25
26    vector<int>node_arr(n);
27    vector<int>visit_arr(n);
28    node_arr[0] = 1;
29    visit_arr[0] = 1;
30    int flag = 0;
31    for(int i = 0;i<n;i++){
32
33        for(int j = i;j<n;j++){
34
35            if (matrix[i][j]==1 &&visit_arr[j]!=1){
36                if(node_arr[i]==flag){
37                    cout<<"no";
38                    //cout<<"flag"<<flag<<", "<<i<<", "<<j<<endl;
39                    return 0;
40                }
41                else{
42                    node_arr[j] = i+2;
43                    visit_arr[j] = 1;
44                    //matrix[j][i]+=(i+1);
45                }
46            }
47        }
48    }
49}
```

```
46
47         }
48
49     }
50     if(node_arr[i]>flag){
51         flag++;
52     }
53 }
54
55 //cout<<flag;
56
57 for(int i = 0;i < flag;i++){
58     vector<int> a;
59     vector<int> b;
60     //对node_arr循环，找勾玉值为i的所有结点
61
62     for(int j = 0;j<n;j++){
63         if(node_arr[j]==i){
64             a.push_back(j);
65
66         }
67     }
68     for(int k = 0;k<n;k++){
69         if(node_arr[k]==i+1){
70             b.push_back(k);
71
72         }
73     }
74     for(int s =0;s<a.size();s++){
75         for(int t =0;t<b.size();t++){
76             if(matrix[a[s]][b[t]] !=1){
77                 cout<<"no";
78                 return 0;
79             }
80         }
81     }
82 }
83
84
85
86 // for(int i = 0;i<n;i++){
87 //     for(int j = 0;j<n;j++){
88 //         cout<<matrix[i][j];
89 //     }
90 //     cout<<endl;
91 // }
92
93 cout<<"yes"<<endl;
94 for(int k =1;k<n;k++){
95     cout<<node_arr[k]<<" ";
96 }
97
98
99
100
101
```

```
102     return 0;  
103 }  
104
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138836939

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 13:31:09	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 int main(){
5     int n , m;
6     //n, m, 代表点的数量和边梁的数量
7     //n = 5;m=6;
8     cin>>n>>m;
9     vector<vector<int>> matrix(n, vector<int>(n,0));
10
11    //邻接矩阵赋值
12    for(int i = 0;i<m;i++){
13        long long u,v;
14        cin>>u>>v;
15        matrix[u-1][v-1] = 1;
16        matrix[v-1][u-1] = 1;
17
18    }
19    // matrix = {
20    //     {0,1,0,1,0},
21    //     {1,0,1,0,1},
22    //     {0,1,0,1,0},
23    //     {1,0,1,0,1},
24    //     {0,1,0,1,0}};
25
26    vector<int>node_arr(n);
27    vector<int>visit_arr(n);
28    node_arr[0] = 1;
29    visit_arr[0] = 1;
30    int flag = 0;
31    for(int i = 0;i<n;i++){
32
33        for(int j = i;j<n;j++){
34
35            if (matrix[i][j]==1 &&visit_arr[j]!=1){
36                if(node_arr[i]==flag){
37                    cout<<"no";
38                    //cout<<"flag"<<flag<<", "<<i<<", "<<j<<endl;
39                    return 0;
40                }
41                else{
42                    node_arr[j] = i+2;
43                    visit_arr[j] = 1;
44                    //matrix[j][i]+=(i+1);
45                }
46            }
47        }
48    }
49}
```

```

46
47         }
48
49     }
50     if(node_arr[i]>flag){
51         flag++;
52     }
53 }
54
55
56
57 // for(int i = 0;i<n;i++){
58 //     for(int j = 0;j<n;j++){
59 //         cout<<matrix[i][j];
60 //     }
61 //     cout<<endl;
62 // }
63
64 cout<<"yes"<<endl;
65 for(int k =1;k<n;k++){
66     cout<<node_arr[k]<<" ";
67 }
68
69
70
71 return 0;
72 }
73

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 7529]

- Test 15 - **Wrong Answer** : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 7528]
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 863]
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 24]

Submission 138824059

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 11:48:35	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32     for (int i = 1; i <= n; i++)
33     {
34         Node * p = &v[i];
35         while (p->next != NULL)
36         {
37             p = p->next;
38             if (v[p->data].value == 0)
39             {
40                 v[p->data].value = v[i].value + 1;
41             }
42             else
43             {
44                 if (abs(v[p->data].value - v[i].value) != 1)
```

```

45             {
46                 cout << "NO" << endl;
47                 return 0;
48             }
49         }
50     }
51 }
52 int sum = 0;
53 int arr[100005] = { 0 };
54 for (int i = 1; i <= n; i++)
55 {
56     arr[v[i].value]++;
57 }
58 for (int i = 1; i <= n; i++)
59 {
60     sum += arr[i] * arr[i - 1];
61 }
62 if (sum != m)
63 {
64     cout << "NO" << endl;
65     return 0;
66 }
67
68 cout << "YES" << endl;
69 for (int i = 2; i <= n; i++)
70 {
71     cout << v[i].value << ' ';
72 }
73
74 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138823398

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 11:45:17	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32     for (int i = 1; i <= n; i++)
33     {
34         Node * p = &v[i];
35         while (p->next != NULL)
36         {
37             p = p->next;
38             if (v[p->data].value == 0)
39             {
40                 v[p->data].value = v[i].value + 1;
41             }
42             else
43             {
44                 if (abs(v[p->data].value - v[i].value) != 1)
```

```

45             {
46                 cout << "NO" << endl;
47                 return 0;
48             }
49         }
50     }
51 }
52 int sum = 0;
53 for (int i = 1; i <= n; i++)
54 {
55     sum += v[i].value - 1;
56 }
57 if (sum != m)
58 {
59     cout << "NO" << endl;
60     return 0;
61 }
62
63 cout << "YES" << endl;
64 for (int i = 2; i <= n; i++)
65 {
66     cout << v[i].value << ' ';
67 }
68
69 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
- Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138822952

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 11:42:58	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 Node v[100005];
10 int main()
11 {
12     int n,m;
13     cin >> n >> m;
14     v[1].value = 1;
15     for (int i = 0; i < m; i++)
16     {
17         int a, b;
18         cin >> a >> b;
19         Node * p = new Node;
20         p->data = b;
21         Node * q = new Node;
22         q->data = a;
23         Node * cur = &v[a];
24         while (cur->next != NULL)
25             cur = cur->next;
26         cur->next = p;
27         cur = &v[b];
28         while (cur->next != NULL)
29             cur = cur->next;
30         cur->next = q;
31     }
32     for (int i = 1; i <= n; i++)
33     {
34         Node * p = &v[i];
35         while (p->next != NULL)
36         {
37             p = p->next;
38             if (v[p->data].value == 0)
39             {
40                 v[p->data].value = v[i].value + 1;
41             }
42             else
43             {
44                 if (abs(v[p->data].value - v[i].value) != 1)
```

```

45             {
46                 cout << "NO" << endl;
47                 return 0;
48             }
49         }
50     }
51 }
52 cout << "YES" << endl;
53 for (int i = 2; i <= n; i++)
54 {
55     cout << v[i].value << ' ';
56 }
57
58 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 2

Submission 138800602

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 10:08:16	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 def build_graph(n, m):
2     graph_value = {i: 0 for i in range(1, n + 1)}
3     graph_path = {i: [] for i in range(1, n + 1)}
4     graph_value[1] = 1
5
6     for _ in range(m):
7         u, v = map(int, input().split())
8         graph_path[u].append(v)
9         graph_path[v].append(u)
10        if graph_value[u] == 0 and graph_value[v] != 0:
11            graph_value[u] = graph_value[v] + 1
12        elif graph_value[v] == 0 and graph_value[u] != 0:
13            graph_value[v] = graph_value[u] + 1
14        elif abs(graph_value[u] - graph_value[v]) != 1:
15            return "No"
16
17    for i in range(1, max(graph_value.values())):
18        p_list = [key for key, val in graph_value.items() if val == i]
19        a_list = [key for key, val in graph_value.items() if val == i + 1]
20        for p in p_list:
21            if not all(a in graph_path[p] for a in a_list):
22                return "No"
23
24    result = [str(graph_value[i]) for i in range(2, n + 1)]
25    return f"Yes\n{' '.join(result)}"
26
27
28 n, m = map(int, input().split())
29 print(build_graph(n, m))
30
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

- Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 10 - **Accepted** : ok OK, participant's solution is correct
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138798317

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/9 09:57:14	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 # 用邻接表表示无向图
2 # 图中的节点从 0 开始编号
3 graph_value = {}
4 graph_path = {}
5
6 n, m = map(int, input().split(" "))
7 for i in range(n):
8     graph_value[i + 1] = 0
9     graph_path[i + 1] = []
10 graph_value[1] = 1
11 flag = True
12 for j in range(m):
13     u, v = map(int, input().split(" "))
14     graph_path[u].append(v)
15     graph_path[v].append(u)
16     if graph_value[u] == 0 and graph_value[v] != 0:
17         graph_value[u] = graph_value[v] + 1
18     elif graph_value[v] == 0 and graph_value[u] != 0:
19         graph_value[v] = graph_value[u] + 1
20     else:
21         if abs(graph_value[u] - graph_value[v]) != 1:
22             flag = False
23
24
25 def find_keys_by_value(value):
26     matching_keys = []
27     for key, val in graph_value.items():
28         if val == value:
29             matching_keys.append(key) # 将匹配项添加到列表中
30     return matching_keys # 返回所有匹配项的列表
31
32
33 for i in range(1, max(graph_value.values())):
34     p_list = find_keys_by_value(i)
35     a_list = find_keys_by_value(i + 1)
36     for p in p_list:
37         for a in a_list:
38             if a in graph_path[p]:
39                 continue
40             else:
41                 flag = False
42
43 if flag:
44     print("Yes")
45     for i in range(2, n + 1):
```

```
46     if i != n:
47         print(graph_value[i], end=" ")
48     else:
49         print(graph_value[i], end="")
50 else:
51     print("No")
52
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138775255

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/8 23:07:15	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1 # 用邻接表表示无向图
2 # 图中的节点从 0 开始编号
3 graph_value = {}
4 graph_path = {}
5
6 bridges = []
7 n, m = map(int, input().split(" "))
8 for i in range(n):
9     graph_value[i + 1] = 0
10    graph_path[i + 1] = []
11 graph_value[1] = 1
12 flag = True
13 for j in range(m):
14     u, v = map(int, input().split(" "))
15     graph_path[u].append(v)
16     if graph_value[u] == 0 and graph_value[v] != 0:
17         graph_value[u] = graph_value[v] + 1
18     elif graph_value[v] == 0 and graph_value[u] != 0:
19         graph_value[v] = graph_value[u] + 1
20     else:
21         if abs(graph_value[u] - graph_value[v]) != 1:
22             flag = False
23
24 if flag:
25     print("Yes")
26     for i in range(2, n + 1):
27         if i != n:
28             print(graph_value[i], end=" ")
29         else:
30             print(graph_value[i], end="")
31     else:
32         print("No")
33
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct

- Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 10 - **Accepted** : ok OK, participant's solution is correct
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138625709

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:47:19	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  def solve_prayer_puzzle(n, m, connections):
2      adj_list = [[] for _ in range(n + 1)]
3      counts = [0] * (n+1)
4      counts[1] = 1
5
6      for u, v in connections:
7          adj_list[u].append(v)
8
9      for i in range(1, n+1):
10         for j in adj_list[i]:
11             if counts[j] == 0:
12                 counts[j] = counts[i]+1
13
14     adj_subtract = [abs(counts[i] - counts[i - 1]) for i in range(1, n)]
15
16     connected = [vertex in adj_list[i] for i in range(1, n + 1) for vertex in
17     range(i, n + 1) if counts[vertex] == counts[i] + 1 and vertex > i]
18
19     if all(adj_subtract):
20         print('YES')
21         print(" ".join(map(str, counts[2:n+1])))
22     else:
23         if all(connected):
24             print('YES')
25             print(" ".join(map(str, counts[2:n+1])))
26         else:
27             print('NO')
28
29 def main():
30     n, m = map(int, input().split())
31     connections = [tuple(map(int, input().split())) for _ in range(m)]
32     solve_prayer_puzzle(n, m, connections)
33
34 if __name__ == '__main__':
35     main()
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct

- Test 4 - Accepted : ok OK, participant's solution is correct
- Test 5 - Time Limit Exceeded :
- Test 6 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 7 - Time Limit Exceeded :
- Test 8 - Time Limit Exceeded :
- Test 9 - Time Limit Exceeded :
- Test 10 - Time Limit Exceeded :
- Test 11 - Time Limit Exceeded :
- Test 12 - Time Limit Exceeded :
- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138624939

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:40:37	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  from collections import deque
2
3  def solve_prayer_puzzle(n, m, connections):
4      adj_list = [[] for _ in range(n + 1)]
5      counts = [0] * (n+1)
6      counts[1] = 1
7
8      for u, v in connections:
9          adj_list[u].append(v)
10
11     queue = deque([1])
12     while queue:
13         node = queue.popleft()
14         for neighbor in adj_list[node]:
15             if counts[neighbor] == 0:
16                 counts[neighbor] = counts[node] + 1
17                 queue.append(neighbor)
18
19     adj_subtract = [abs(counts[i+1]-counts[i]) for i in range(n-1)]
20
21     connected = set()
22     for i in range(1, n+1):
23         for j in adj_list[i]:
24             if counts[j] == counts[i] + 1:
25                 connected.add((min(i, j), max(i, j)))
26
27     if all(adj_subtract) and len(connected) == n-1:
28         print('YES')
29         print(" ".join(map(str, counts[2:n+1])))
30     else:
31         print('NO')
32
33 def main():
34     n, m = map(int, input().split())
35     connections = [tuple(map(int, input().split())) for _ in range(m)]
36     solve_prayer_puzzle(n, m, connections)
37
38 if __name__ == '__main__':
39     main()
40
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138624885

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:40:15	Puzzle in Inazuma	Python 3	Compile Error

Code

```
1  from collections import deque
2
3  def solve_prayer_puzzle(n, m, connections):
4      adj_list = [[] for _ in range(n + 1)]
5      counts = [0] * (n+1)
6      counts[1] = 1
7
8      for u, v in connections:
9          adj_list[u].append(v)
10
11     queue = deque([1])
12     while queue:
13         node = queue.popleft()
14         for neighbor in adj_list[node]:
15             if counts[neighbor] == 0:
16                 counts[neighbor] = counts[node] + 1
17                 queue.append(neighbor)
18
19     adj_subtract = [abs(counts[i+1]-counts[i]) for i in range(n-1)]
20
21     connected = set()
22     for i in range(1, n+1):
23         for j in adj_list[i]:
24             if counts[j] == counts[i] + 1:
25                 connected.add((min(i, j), max(i, j)))
26
27     if all(adj_subtract) and len(connected) == n-1:
28         print('YES')
29         print(" ".join(map(str, counts[2:n+1])))
30     else:
31         print('NO')
32
33 def main():
34     n, m = map(int, input().split())
35     connections = [tuple(map(int, input().split())) for _ in range(m)]
36     solve_prayer_puzzle(n, m, connections)
37
38 if __name__ == '__main__':
39     main()
```

Test Detail

- Compile Error

```
1  File "/tmp/compiler_ameaepbw/src", line 29
2      print(" ".join(map(str, counts[2:n+1])))
3          ^
4 SyntaxError: '(' was never closed
5
```

Submission 138624726

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:38:49	Puzzle in Inazuma	Python 3	Compile Error

Code

```
1  from collections import deque
2
3  def solve_prayer_puzzle(n, m, connections):
4      adj_list = [[] for _ in range(n + 1)]
5      counts = [0] * (n+1)
6      counts[1] = 1
7
8      for u, v in connections:
9          adj_list[u].append(v)
10
11     queue = deque([1])
12     while queue:
13         node = queue.popleft()
14         for neighbor in adj_list[node]:
15             if counts[neighbor] == 0:
16                 counts[neighbor] = counts[node] + 1
17                 queue.append(neighbor)
18
19     adj_subtract = [abs(counts[i+1]-counts[i]) for i in range(n-1)]
20
21     connected = set()
22     for i in range(1, n+1):
23         for j in adj_list[i]:
24             if counts[j] == counts[i] + 1:
25                 connected.add((min(i, j), max(i, j)))
26
27     if all(adj_subtract) and len(connected) == n-1:
28         print('YES')
29         print(" ".join(map(str, counts[2:n+1])))
30     else:
31         print('NO')
32
33 def main():
34     n, m = map(int, input().split())
35     connections = [tuple(map(int, input().split())) for _ in range(m)]
36     solve_prayer_puzzle(n, m, connections)
37
38 if __name__ == '__main__':
39     main()
```

Test Detail

- Compile Error

```
1  File "/tmp/compiler_1zlw60v/src", line 29
2      print(" ".join(map(str, counts[2:n+1])))
3          ^
4 SyntaxError: '(' was never closed
5
```

Submission 138624564

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:37:35	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  from collections import defaultdict
2
3  def solve_prayer_puzzle(n, m, connections):
4      adj_list = defaultdict(list)
5      counts = [0] * (n + 1)
6      counts[1] = 1
7
8      for u, v in connections:
9          adj_list[u].append(v)
10
11     queue = [1]
12     front = 0
13
14     while front < len(queue):
15         current = queue[front]
16         front += 1
17
18         for neighbor in adj_list[current]:
19             if counts[neighbor] == 0:
20                 counts[neighbor] = counts[current] + 1
21                 queue.append(neighbor)
22
23     adj_subtract = [abs(counts[i] - counts[i - 1]) for i in range(1, n)]
24
25     connected = [vertex in adj_list[i] for i in range(1, n + 1) for vertex in
26                  range(i, n + 1) if counts[vertex] == counts[i] + 1 and vertex > i]
27
28     if all(adj_subtract) and all(connected):
29         print('YES')
30         print(" ".join(map(str, counts[2:])))
31     else:
32         print('NO')
33
34 def main():
35     n, m = map(int, input().split())
36     connections = [tuple(map(int, input().split())) for _ in range(m)]
37     solve_prayer_puzzle(n, m, connections)
38
39 if __name__ == '__main__':
40     main()
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138623772

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:31:31	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  from collections import defaultdict
2
3  def solve_prayer_puzzle(n, m, connections):
4      adj_list = defaultdict(list)
5      counts = [0] * (n + 1)
6      counts[1] = 1
7
8      for u, v in connections:
9          adj_list[u].append(v)
10
11     for i in range(1, n + 1):
12         for j in adj_list[i]:
13             if counts[j] == 0:
14                 counts[j] = counts[i] + 1
15
16     adj_subtract = [abs(counts[i] - counts[i - 1]) for i in range(1, n)]
17
18     connected = [vertex in adj_list[i] for i in range(1, n + 1) for vertex in
19                  range(i, n + 1) if counts[vertex] == counts[i] + 1 and vertex > i]
20
21     if all(adj_subtract) and all(connected):
22         print('YES')
23         print(" ".join(map(str, counts[2:n + 1])))
24     else:
25         print('NO')
26
27 def main():
28     n, m = map(int, input().split())
29     connections = [tuple(map(int, input().split())) for _ in range(m)]
30     solve_prayer_puzzle(n, m, connections)
31
32 if __name__ == '__main__':
33     main()
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct

- Test 4 - Accepted : ok OK, participant's solution is correct
- Test 5 - Time Limit Exceeded :
- Test 6 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 7 - Time Limit Exceeded :
- Test 8 - Time Limit Exceeded :
- Test 9 - Time Limit Exceeded :
- Test 10 - Time Limit Exceeded :
- Test 11 - Time Limit Exceeded :
- Test 12 - Time Limit Exceeded :
- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138622090

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:19:44	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  def solve_prayer_puzzle(n, m, connections):
2      adj_list = [[] for _ in range(n + 1)]
3      counts = [0] * (n+1)
4      counts[1] = 1
5
6      for u, v in connections:
7          adj_list[u].append(v)
8
9      for i in range(1, n+1):
10         for j in adj_list[i]:
11             if counts[j] == 0:
12                 counts[j] = counts[i]+1
13
14     adj_subtract = [0] * (n-1)
15     for i in range(1, n):
16         adj_subtract[i-1] = abs(counts[i]-counts[i-1])
17
18     connected = []
19     for i in range(1, n+1):
20         vertexs = []
21         for j in range(i, n+1):
22             if counts[j] == counts[i]+1:
23                 vertexs.append(j)
24         for vertex in vertexs[:]:
25             if vertex > i:
26                 if vertex in adj_list[i]:
27                     connected.append(True)
28                 else:
29                     connected.append(False)
30
31     if all(adj_subtract) and all(connected):
32         print('YES')
33         print(" ".join(map(str, counts[2:n+1])))
34     else:
35         print('NO')
36
37 def main():
38     n, m = map(int, input().split())
39     connections = [tuple(map(int, input().split())) for _ in range(m)]
40     solve_prayer_puzzle(n, m, connections)
41
42 if __name__ == '__main__':
43     main()
44
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138621694

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/7 22:17:14	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  def solve_prayer_puzzle(n, m, connections):
2      adj_list = [[] for _ in range(n + 1)]
3      counts = [0] * (n+1)
4      counts[1] = 1
5
6      for u, v in connections:
7          adj_list[u].append(v)
8
9      for i in range(1, n+1):
10         for j in adj_list[i]:
11             if counts[j] == 0:
12                 counts[j] = counts[i]+1
13
14     print('counts:', counts)
15
16     print('connections:', connections)
17     print('adj_list:', adj_list)
18
19     adj_subtract = [0] * (n-1)
20     for i in range(1, n):
21         adj_subtract[i-1] = abs(counts[i]-counts[i-1])
22
23     connected = []
24     for i in range(1, n+1):
25         vertexs = []
26         for j in range(i, n+1):
27             if counts[j] == counts[i]+1:
28                 vertexs.append(j)
29         for vertex in vertexs[:]:
30             if vertex > i:
31                 if vertex in adj_list[i]:
32                     connected.append(True)
33                 else:
34                     connected.append(False)
35
36     if all(adj_subtract) and connected == 1:
37         print('YES')
38         print(" ".join(map(str, counts[2:n+1])))
39     else:
40         print('NO')
41
42 def main():
43     n, m = map(int, input().split())
44     connections = [tuple(map(int, input().split())) for _ in range(m)]
45     solve_prayer_puzzle(n, m, connections)
```

```
46  
47 if __name__ == '__main__':  
48     main()  
49
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 1 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 2 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 3 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 4 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 17 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 18 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 19 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "counts:", doesn't correspond to pattern "[a-zA-Z]+"

Submission 138544698

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/7 15:43:01	Puzzle in Inazuma	C++11	Accepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstring>
4 #include <cstdlib>
5 #include <algorithm>
6 #include <cctype>
7
8 using namespace std;
9
10 inline int read() {
11     char ch;
12     while (!isdigit(ch = getchar())) ;
13     int sum = ch - '0';
14     while (isdigit(ch = getchar()))
15         sum = (sum * 10) + ch - '0';
16     return sum;
17 }
18
19 int n, m;
20 int tops, fst[100010], to[200010], nxt[200010];
21 int ans[100010], Q[100010], qfnt, qbck;
22 int buc[100010];
23
24 inline void add_edge(int u, int v) {
25     to[tops] = v, nxt[tops] = fst[u], fst[u] = tops++;
26 }
27
28 int main() {
29     int u, v;
30     n = read(), m = read();
31
32     memset(fst, -1, sizeof(fst));
33
34     for (int i = 0; i < m; i++) {
35         u = read(), v = read();
36
37         add_edge(u, v), add_edge(v, u);
38     }
39
40     ans[1] = 1;
41     Q[qfnt++] = 1;
42
43     int now;
44     while (qfnt > qbck) {
45         now = Q[qbck++];
```

```

46         buc[ans[now]]++;
47
48     for (int i = fst[now]; i != -1; i = nxt[i]) {
49         if (ans[to[i]] == 0) {
50             ans[to[i]] = ans[now] + 1;
51             Q[qfnt++] = to[i];
52         } else {
53             if (ans[to[i]] != ans[now] + 1 && ans[to[i]] != ans[now] - 1)
54             {
55                 printf("NO\n");
56                 return 0;
57             }
58         }
59     }
60
61     int cnt = 0;
62     for (int i = 1; i < n; i++)
63         cnt += buc[i] * buc[i + 1];
64
65     if (m < cnt) {
66         printf("NO\n");
67         return 0;
68     }
69
70     printf("YES\n");
71
72     for (int i = 2; i <= n; i++)
73         printf("%d ", ans[i]);
74     printf("\n");
75     return 0;
76 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct

- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138544137

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/7 15:39:09	Puzzle in Inazuma	C++11	Unaccepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstring>
4 #include <cstdlib>
5 #include <algorithm>
6 #include <cctype>
7
8 using namespace std;
9
10 inline int read() {
11     char ch;
12     while (!isdigit(ch = getchar())) ;
13     int sum = ch - '0';
14     while (isdigit(ch = getchar()))
15         sum = (sum * 10) + ch - '0';
16     return sum;
17 }
18
19 int n, m;
20 int tops, fst[100010], to[200010], nxt[200010];
21 int ans[100010], Q[100010], qfnt, qbck;
22
23 inline void add_edge(int u, int v) {
24     to[tops] = v, nxt[tops] = fst[u], fst[u] = tops++;
25 }
26
27 int main() {
28     int u, v;
29     n = read(), m = read();
30
31     memset(fst, -1, sizeof(fst));
32
33     for (int i = 0; i < m; i++) {
34         u = read(), v = read();
35
36         add_edge(u, v), add_edge(v, u);
37     }
38
39     ans[1] = 1;
40     Q[qfnt++] = 1;
41
42     int now;
43     while (qfnt > qbck) {
44         now = Q[qbck++];
45 }
```

```

46     for (int i = fst[now]; i != -1; i = nxt[i]) {
47         if (ans[to[i]] == 0) {
48             ans[to[i]] = ans[now] + 1;
49             Q[qfnt++] = to[i];
50         } else {
51             if (ans[to[i]] != ans[now] + 1 && ans[to[i]] != ans[now] - 1)
52                 printf("NO\n");
53             return 0;
54         }
55     }
56 }
57 }
58
59 printf("YES\n");
60
61 for (int i = 2; i <= n; i++)
62     printf("%d ", ans[i]);
63 printf("\n");
64 return 0;
65 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138521995

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/7 11:42:24	Puzzle in Inazuma	C++20	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define MAXSIZE 99999
3 using namespace std;
4
5 //边节点
6 struct EdgeNode{
7     int edge;
8     EdgeNode *next;
9 };
10
11 struct VexNode
12 {
13     int nodeNum;
14     int Data;
15     EdgeNode *first;
16 };
17
18 struct Torii
19 {
20     VexNode Zhu[MAXSIZE];
21     int n; // Number of Mountenr
22     int m; //Number of Brige
23 };
24
25 void CreateGraph(Torii &G) {
26     int i, j, k;
27     EdgeNode *p = NULL;
28     EdgeNode *q = NULL;
29     cin >> G.n >> G.m;
30     for (k = 1; k <= G.n; k++) {
31         G.Zhu[k].nodeNum = k;
32         G.Zhu[k].first = NULL;
33         G.Zhu[k].Data = 0;
34     }
35     for (k = 0; k < G.m; k++) {
36         cin >> i >> j;
37         p = new EdgeNode;
38         p->edge = j;
39         p->next = G.Zhu[i].first;
40         G.Zhu[i].first = p;
41         q = new EdgeNode;
42         q->edge = i;
43         q->next = G.Zhu[j].first;
44         G.Zhu[j].first = q;
45     }
}
```

```

46 }
47
48 bool SetNum(Torii &G) {
49     G.Zhu[1].Data = 1;
50     for (int i = 1; i <= G.n; i++) {
51         EdgeNode *p = G.Zhu[i].first;
52         while (p != NULL) {
53             if (G.Zhu[p->edge].Data == 0) G.Zhu[p->edge].Data = G.Zhu[i].Data
54 + 1;
55             if (G.Zhu[p->edge].Data == G.Zhu[i].Data) return 0;
56             p = p->next;
57         }
58     }
59     return 1;
60 }
61
62 bool CanIf(Torii &G){
63     int Can[MAXSIZE] = {0};
64     for(int i = 1; i <= G.n; i++) Can[G.Zhu[i].Data]++;
65     for(int i = 2; i <= G.n; i++) {
66         EdgeNode *p = G.Zhu[i].first;
67         int Count = 0;
68         while (p != NULL) {
69             Count++;
70             p = p->next;
71         }
72         if (Count != Can[G.Zhu[i].Data - 1] + Can[G.Zhu[i].Data + 1]) return
73 0;
74     }
75     return 1;
76 }
77
78 int main()
79 {
80     Torii G;
81     int Can[MAXSIZE] = {0};
82     CreateGraph(G);
83     if (SetNum(G) && CanIf(G)) {
84         cout << "YES" << endl;
85         for (int i = 2; i <= G.n; i++) cout << G.Zhu[i].Data << " ";
86     }
87     else cout << "NO" << endl;
88     system("pause");
89     return 0;

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct

- Test 3 - Accepted : ok OK, participant's solution is correct
- Test 4 - Accepted : ok OK, participant's solution is correct
- Test 5 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 6 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 7 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 8 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 9 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138521907

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/7 11:41:12	Puzzle in Inazuma	C++20	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define MAXSIZE 10000
3 using namespace std;
4
5 //边节点
6 struct EdgeNode{
7     int edge;
8     EdgeNode *next;
9 };
10
11 struct VexNode
12 {
13     int nodeNum;
14     int Data;
15     EdgeNode *first;
16 };
17
18 struct Torii
19 {
20     VexNode Zhu[MAXSIZE];
21     int n; // Number of Mountenr
22     int m; //Number of Brige
23 };
24
25 void CreateGraph(Torii &G) {
26     int i, j, k;
27     EdgeNode *p = NULL;
28     EdgeNode *q = NULL;
29     cin >> G.n >> G.m;
30     for (k = 1; k <= G.n; k++) {
31         G.Zhu[k].nodeNum = k;
32         G.Zhu[k].first = NULL;
33         G.Zhu[k].Data = 0;
34     }
35     for (k = 0; k < G.m; k++) {
36         cin >> i >> j;
37         p = new EdgeNode;
38         p->edge = j;
39         p->next = G.Zhu[i].first;
40         G.Zhu[i].first = p;
41         q = new EdgeNode;
42         q->edge = i;
43         q->next = G.Zhu[j].first;
44         G.Zhu[j].first = q;
45     }
}
```

```

46 }
47
48 bool SetNum(Torii &G) {
49     G.Zhu[1].Data = 1;
50     for (int i = 1; i <= G.n; i++) {
51         EdgeNode *p = G.Zhu[i].first;
52         while (p != NULL) {
53             if (G.Zhu[p->edge].Data == 0) G.Zhu[p->edge].Data = G.Zhu[i].Data
54 + 1;
55             if (G.Zhu[p->edge].Data == G.Zhu[i].Data) return 0;
56             p = p->next;
57         }
58     }
59     return 1;
60 }
61
62 bool CanIf(Torii &G){
63     int Can[MAXSIZE] = {0};
64     for(int i = 1; i <= G.n; i++) Can[G.Zhu[i].Data]++;
65     for(int i = 2; i <= G.n; i++) {
66         EdgeNode *p = G.Zhu[i].first;
67         int Count = 0;
68         while (p != NULL) {
69             Count++;
70             p = p->next;
71         }
72         if (Count != Can[G.Zhu[i].Data - 1] + Can[G.Zhu[i].Data + 1]) return
73 0;
74     }
75     return 1;
76 }
77
78 int main()
79 {
80     Torii G;
81     int Can[MAXSIZE] = {0};
82     CreateGraph(G);
83     if (SetNum(G) && CanIf(G)) {
84         cout << "YES" << endl;
85         for (int i = 2; i <= G.n; i++) cout << G.Zhu[i].Data << " ";
86     }
87     else cout << "NO" << endl;
88     system("pause");
89     return 0;

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct

- Test 3 - Accepted : ok OK, participant's solution is correct
- Test 4 - Accepted : ok OK, participant's solution is correct
- Test 5 - Runtime Error :
- Test 6 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 7 - Runtime Error :
- Test 8 - Runtime Error :
- Test 9 - Runtime Error :
- Test 10 - Runtime Error :
- Test 11 - Runtime Error :
- Test 12 - Runtime Error :
- Test 13 - Runtime Error :
- Test 14 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138500065

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 22:59:27	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 class DSU {
6 public:
7     vector<int> parent;
8     vector<int> size;
9
10    DSU(int n) {
11        parent.resize(n + 1);
12        size.resize(n + 1, 1);
13        for (int i = 1; i <= n; i++) {
14            parent[i] = i;
15        }
16    }
17
18    int find(int x) {
19        if (parent[x] == x) {
20            return x;
21        }
22        return parent[x] = find(parent[x]);
23    }
24
25    void unite(int x, int y) {
26        int rootX = find(x);
27        int rootY = find(y);
28        if (rootX != rootY) {
29            if (size[rootX] < size[rootY]) {
30                swap(rootX, rootY);
31            }
32            parent[rootY] = rootX;
33            size[rootX] += size[rootY];
34        }
35    }
36};
37
38 int main() {
39     int n, m;
40     cin >> n >> m;
41
42     DSU dsu(n);
43     vector<int> lanterns(n + 1, 0);
44 }
```

```

45     for (int i = 0; i < m; i++) {
46         int u, v;
47         cin >> u >> v;
48         dsu.unite(u, v);
49     }
50
51     for (int i = 2; i <= n; i++) {
52         lanterns[dsu.find(i)]++;
53     }
54
55     bool solvable = true;
56     for (int i = 2; i <= n; i++) {
57         if (lanterns[dsu.find(i)] == 0) {
58             solvable = false;
59             break;
60         }
61     }
62
63     if (solvable) {
64         cout << "YES " << endl;
65         for (int i = 2; i <= n; i++) {
66             cout << lanterns[dsu.find(i)] << " ";
67         }
68     }
69     else {
70         cout << "NO";
71     }
72
73     return 0;
74 }
75
76

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer The 1-th number is 2, but participant claims it is 4
 - Test 1 - [Wrong Answer](#) : wrong answer The 1-th number is 2, but participant claims it is 4
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 2]
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Wrong Answer](#) : wrong answer The 1-th number is 6658, but participant claims it is 71380
 - Test 6 - [Wrong Answer](#) : wrong answer The 1-th number is 1256, but participant claims it is 4287
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 99999

- Test 8 - [Wrong Answer](#) : wrong answer The 1-th number is 47625, but participant claims it is 80643
- Test 9 - [Wrong Answer](#) : wrong answer The 1-th number is 22522, but participant claims it is 40950
- Test 10 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 12 - [Wrong Answer](#) : wrong answer The 1-th number is 11549, but participant claims it is 78164
- Test 13 - [Wrong Answer](#) : wrong answer The 1-th number is 18467, but participant claims it is 52063
- Test 14 - [Wrong Answer](#) : wrong answer The 1-th number is 435, but participant claims it is 7528
- Test 15 - [Wrong Answer](#) : wrong answer The 1-th number is 399, but participant claims it is 7527
- Test 16 - [Wrong Answer](#) : wrong answer The 1-th number is 277, but participant claims it is 721
- Test 17 - [Wrong Answer](#) : wrong answer The 1-th number is 93, but participant claims it is 862
- Test 18 - [Wrong Answer](#) : wrong answer The 1-th number is 2, but participant claims it is 7
- Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 23

Submission 138499900

User	Time	Problem	Language	Verdict
gzxxxpy_shino	2023/12/6 22:58:03	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 class DSU {
6 public:
7     vector<int> parent;
8     vector<int> size;
9
10    DSU(int n) {
11        parent.resize(n + 1);
12        size.resize(n + 1, 1);
13        for (int i = 1; i <= n; i++) {
14            parent[i] = i;
15        }
16    }
17
18    int find(int x) {
19        if (parent[x] == x) {
20            return x;
21        }
22        return parent[x] = find(parent[x]);
23    }
24
25    void unite(int x, int y) {
26        int rootX = find(x);
27        int rootY = find(y);
28        if (rootX != rootY) {
29            if (size[rootX] < size[rootY]) {
30                swap(rootX, rootY);
31            }
32            parent[rootY] = rootX;
33            size[rootX] += size[rootY];
34        }
35    }
36};
37
38 int main() {
39     int n, m;
40     cin >> n >> m;
41
42     DSU dsu(n);
43     vector<int> lanterns(n + 1, 0);
44 }
```

```

45     for (int i = 0; i < m; i++) {
46         int u, v;
47         cin >> u >> v;
48         dsu.unite(u, v);
49     }
50
51     for (int i = 2; i <= n; i++) {
52         lanterns[dsu.find(i)]++;
53     }
54
55     bool solvable = true;
56     for (int i = 2; i <= n; i++) {
57         if (lanterns[dsu.find(i)] == 0) {
58             solvable = false;
59             break;
60         }
61     }
62
63     if (solvable) {
64         cout << "YES ";
65         for (int i = 2; i <= n; i++) {
66             cout << lanterns[dsu.find(i)] << " ";
67         }
68     }
69     else {
70         cout << "NO";
71     }
72
73     return 0;
74 }
75
76

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer The 1-th number is 2, but participant claims it is 4
 - Test 1 - [Wrong Answer](#) : wrong answer The 1-th number is 2, but participant claims it is 4
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=c] equals to 1, violates the range [2, 2]
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Wrong Answer](#) : wrong answer The 1-th number is 6658, but participant claims it is 71380
 - Test 6 - [Wrong Answer](#) : wrong answer The 1-th number is 1256, but participant claims it is 4287
 - Test 7 - [Wrong Answer](#) : wrong answer The 1-th number is 53013, but participant claims it is 99999

- Test 8 - [Wrong Answer](#) : wrong answer The 1-th number is 47625, but participant claims it is 80643
- Test 9 - [Wrong Answer](#) : wrong answer The 1-th number is 22522, but participant claims it is 40950
- Test 10 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
- Test 12 - [Wrong Answer](#) : wrong answer The 1-th number is 11549, but participant claims it is 78164
- Test 13 - [Wrong Answer](#) : wrong answer The 1-th number is 18467, but participant claims it is 52063
- Test 14 - [Wrong Answer](#) : wrong answer The 1-th number is 435, but participant claims it is 7528
- Test 15 - [Wrong Answer](#) : wrong answer The 1-th number is 399, but participant claims it is 7527
- Test 16 - [Wrong Answer](#) : wrong answer The 1-th number is 277, but participant claims it is 721
- Test 17 - [Wrong Answer](#) : wrong answer The 1-th number is 93, but participant claims it is 862
- Test 18 - [Wrong Answer](#) : wrong answer The 1-th number is 2, but participant claims it is 7
- Test 19 - [Wrong Answer](#) : wrong answer The 1-th number is 4, but participant claims it is 23

Submission 138452880

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/6 19:19:10	Puzzle in Inazuma	C++20	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define MAXSIZE 100000
3 using namespace std;
4
5 //边节点
6 struct EdgeNode{
7     int edge;
8     EdgeNode *next;
9 };
10
11 struct VexNode
12 {
13     int nodeNum;
14     int Data;
15     EdgeNode *first;
16 };
17
18 struct Torii
19 {
20     VexNode Zhu[MAXSIZE];
21     int n; // Number of Mountenr
22     int m; //Number of Brige
23 };
24
25 void CreateGraph(Torii &G) {
26     int i, j, k;
27     EdgeNode *p = NULL;
28     EdgeNode *q = NULL;
29     cin >> G.n >> G.m;
30     for (k = 1; k <= G.n; k++) {
31         G.Zhu[k].nodeNum = k;
32         G.Zhu[k].first = NULL;
33         G.Zhu[k].Data = 0;
34     }
35     for (k = 0; k < G.m; k++) {
36         cin >> i >> j;
37         p = new EdgeNode;
38         p->edge = j;
39         p->next = G.Zhu[i].first;
40         G.Zhu[i].first = p;
41         q = new EdgeNode;
42         q->edge = i;
43         q->next = G.Zhu[j].first;
44         G.Zhu[j].first = q;
45     }
}
```

```

46 }
47
48 bool SetNum(Torii &G) {
49     G.Zhu[1].Data = 1;
50     for (int i = 1; i <= G.n; i++) {
51         EdgeNode *p = G.Zhu[i].first;
52         while (p != NULL) {
53             if (G.Zhu[p->edge].Data == 0) G.Zhu[p->edge].Data = G.Zhu[i].Data
54 + 1;
55             if (G.Zhu[p->edge].Data == G.Zhu[i].Data) return 0;
56             p = p->next;
57         }
58     }
59     return 1;
60 }
61
62 bool CanIf(Torii &G){
63     int Can[MAXSIZE] = {0};
64     for(int i = 1; i <= G.n; i++) Can[G.Zhu[i].Data]++;
65     for(int i = 2; i <= G.n; i++) {
66         EdgeNode *p = G.Zhu[i].first;
67         int Count = 0;
68         while (p != NULL) {
69             Count++;
70             p = p->next;
71         }
72         if (Count != Can[G.Zhu[i].Data - 1] + Can[G.Zhu[i].Data + 1]) return
73 0;
74     }
75     return 1;
76 }
77
78 int main()
79 {
80     Torii G;
81     int Can[MAXSIZE] = {0};
82     CreateGraph(G);
83     if (SetNum(G) && CanIf(G)) {
84         cout << "YES" << endl;
85         for (int i = 2; i <= G.n; i++) cout << G.Zhu[i].Data << " ";
86     }
87     else cout << "NO" << endl;
88     system("pause");
89     return 0;

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct

- Test 3 - Accepted : ok OK, participant's solution is correct
- Test 4 - Accepted : ok OK, participant's solution is correct
- Test 5 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 6 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 7 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 8 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 9 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138391877

User	Time	Problem	Language	Verdict
bbbbber	2023/12/6 11:20:33	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     cin >> n >> m;
14     int flag[100001] = { 0 };
15     int position[100001] = { 0 };
16     flag[1] = 1;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (m > 100)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int qq = 0;
39     if (n == m)
40     {
41         for (int i = 1; i <= n; i++)
42             if (position[i] != 2)
43             {
44                 qq = 1;
45                 break;
```

```

46 }
47 }
48 if (n != m)
49     qq = 1;
50 if (qq == 0)
51 {
52     cout << "NO";
53     return 0;
54 }
55 int step = 1;
56 no.push_back(1);
57 while (1)
58 {
59     int f = 0;
60     for (auto i = no.begin(); i != no.end(); i++)
61         for (auto j = 1; j <= position[*i]; j++)
62         {
63             if (flag[map[*i][j]] == 0)
64             {
65                 ne.push_back(map[*i][j]);
66                 flag[map[*i][j]] = step + 1;
67                 f = 1;
68             }
69             else if ((flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1) || (flag[map[*i][j]] == step))
70             {
71                 cout << "NO";
72                 return 0;
73             }
74         }
75     for (auto i = ne.begin(); i != ne.end(); i++)
76         for (auto j = no.begin(); j != no.end(); j++)
77         {
78             int o = 0;
79             for (auto m = 1; m <= position[*i]; m++)
80             {
81                 if (map[*i][m] == *j)
82                 {
83                     o = 1;
84                     break;
85                 }
86             }
87             if (o == 0)
88             {
89                 cout << "NO";
90                 return 0;
91             }
92         }
93     if (f == 0)
94         break;
95     no.swap(ne);
96     ne.clear();
97     step++;
98 }
99 cout << "YES" << endl;
100 for (int i = 2; i <= n; i++)

```

```
101     cout << flag[i] << " ";
102 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct
 - Test 13 - Accepted : ok OK, participant's solution is correct
 - Test 14 - Accepted : ok OK, participant's solution is correct
 - Test 15 - Accepted : ok OK, participant's solution is correct
 - Test 16 - Accepted : ok OK, participant's solution is correct
 - Test 17 - Accepted : ok OK, participant's solution is correct
 - Test 18 - Accepted : ok OK, participant's solution is correct
 - Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138389292

User	Time	Problem	Language	Verdict
bbbbber	2023/12/6 10:42:43	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (m > 100)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int qq = 0;
39     if (n == m)
40     {
41         for (int i = 1; i <= n; i++)
42             if (position[i] != 2)
43             {
44                 qq = 1;
45                 break;
```

```

46 }
47 }
48 if (n != m)
49     qq = 1;
50 if (qq == 0)
51 {
52     cout << "NO";
53     return 0;
54 }
55 int step = 1;
56 no.push_back(1);
57 while (1)
58 {
59     int f = 0;
60     for (auto i = no.begin(); i != no.end(); i++)
61         for (auto j = 1; j <= position[*i]; j++)
62         {
63             if (flag[map[*i][j]] == 0)
64             {
65                 ne.push_back(map[*i][j]);
66                 flag[map[*i][j]] = step + 1;
67                 f = 1;
68             }
69             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step -
1)
70             {
71                 cout << "NO";
72                 return 0;
73             }
74         }
75     for (auto i = ne.begin(); i != ne.end(); i++)
76         for (auto j = no.begin(); j != no.end(); j++)
77         {
78             int o = 0;
79             for (auto m = 1; m <= position[*i]; m++)
80             {
81                 if (map[*i][m] == *j)
82                 {
83                     o = 1;
84                     break;
85                 }
86             }
87             if (o == 0)
88             {
89                 cout << "NO";
90                 return 0;
91             }
92         }
93     if (f == 0)
94         break;
95     no.swap(ne);
96     ne.clear();
97     step++;
98 }
99 cout << "YES" << endl;
100 for (int i = 2; i <= n; i++)

```

```
101     cout << flag[i] << " ";
102 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138388931

User	Time	Problem	Language	Verdict
bbbbber	2023/12/6 10:36:47	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (m > 100)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int qq = 0;
39     if (n == m)
40     {
41         for (int i = 1; i <= n; i++)
42             if (position[i] != 2)
43             {
44                 qq = 1;
45                 break;
```

```

46 }
47 }
48 if (n != m)
49     qq = 1;
50 if (qq == 0)
51 {
52     cout << "NO";
53     return 0;
54 }
55 int step = 1;
56 no.push_back(1);
57 while (1)
58 {
59     int f = 0;
60     for (auto i = no.begin(); i != no.end(); i++)
61         for (auto j = 1; j <= position[*i]; j++)
62         {
63             if (flag[map[*i][j]] == 0)
64             {
65                 ne.push_back(map[*i][j]);
66                 flag[map[*i][j]] = step + 1;
67                 f = 1;
68             }
69             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step -
1)
70             {
71                 cout << "NO";
72                 return 0;
73             }
74         }
75     for (auto i = ne.begin(); i != ne.end(); i++)
76         for (auto j = no.begin(); j != no.end(); j++)
77         {
78             int o = 0;
79             for (auto m = 1; m <= position[*i]; m++)
80             {
81                 if (map[*i][m] == *j)
82                 {
83                     o = 1;
84                     break;
85                 }
86             }
87             if (o == 0)
88             {
89                 cout << "NO";
90                 return 0;
91             }
92         }
93     if (f == 0)
94         break;
95     no.swap(ne);
96     ne.clear();
97     step++;
98 }
99 cout << "YES" << endl;
100 for (int i = 2; i <= n; i++)

```

```
101     cout << flag[i] << " ";
102 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138362051

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 21:45:04	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int v[100005] = { 0 };
4 int arr[100005] = { 0 };
5 int brr[100005] = { 0 };
6 int connect(int a)
7 {
8     if (a == 0) return 0;
9     if (arr[a] == 0)
10    {
11        arr[a] = connect(v[a]);
12    }
13    return arr[a]+1;
14 }
15 int main()
16 {
17     int n, m;
18     cin >> n >> m;
19     arr[1] = 1;
20     for (int i = 1; i <= m; i++)
21     {
22         int a, b;
23         cin >> a >> b;
24         if (a > b)
25         {
26             if (v[a] != 0)
27             {
28                 for (int i = 2; i <= n; i++)
29                 {
30                     connect(i);
31                 }
32             }
33             v[a] = b;
34         }
35         else
36         {
37             if (v[b] != 0)
38             {
39                 for (int i = 2; i <= n; i++)
40                 {
41                     connect(i);
42                 }
43             }
44         }
45 }
```

```

45         v[b] = a;
46     }
47 }
48 for (int i = 2; i <= n; i++)
49 {
50     connect(i);
51 }
52 int m_number = 0;
53 for (int i = 1; i <= n; i++)
54 {
55     brr[arr[i]]++;
56 }
57 for (int i = 2; i <= n; i++)
58 {
59     m_number += brr[i - 1] * brr[i];
60 }
61 if (m != m_number)
62 {
63     cout << "NO" << endl;
64     return 0;
65 }
66 cout << "YES" << endl;
67 for (int i = 2; i < n; i++)
68 {
69     cout << arr[i] << ' ';
70 }
71 cout << arr[n];
72 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
- Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138361334

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 21:41:28	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int v[100005] = { 0 };
4 int arr[100005] = { 0 };
5 int brr[100005] = { 0 };
6 int connect(int a)
7 {
8     if (a == 0) return 0;
9     if (arr[a] == 0)
10    {
11        arr[a] = connect(v[a]);
12    }
13    return arr[a]+1;
14}
15
16 int main()
17 {
18     int n, m;
19     cin >> n >> m;
20     arr[1] = 1;
21     for (int i = 1; i <= m; i++)
22    {
23         int a, b;
24         cin >> a >> b;
25         if (a > b)
26        {
27             v[a] = b;
28         }
29         else
30        {
31             v[b] = a;
32         }
33         for (int i = 2; i <= n; i++)
34        {
35             connect(i);
36         }
37     }
38
39     int m_number = 0;
40     for (int i = 1; i <= n; i++)
41    {
42        brr[arr[i]]++;
43    }
44    for (int i = 2; i <= n; i++)
```

```

45     {
46         m_number += brr[i - 1] * brr[i];
47     }
48     if (m != m_number)
49     {
50         cout << "NO" << endl;
51         return 0;
52     }
53     cout << "YES" << endl;
54     for (int i = 2; i < n; i++)
55     {
56         cout << arr[i] << ' ';
57     }
58     cout << arr[n];
59 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138355143

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 21:13:07	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int a[100005] = { 0 };
6 int c[100005] = { 0 };
7 int main()
8 {
9     int n, m;
10    cin >> n >> m;
11    v[1] = 1;
12    for (int i = 1; i <= m; i++)
13    {
14        int a, b;
15        cin >> a >> b;
16        if ((v[a] != 0) && v[b] == 0)
17        {
18            v[b] = v[a] + 1;
19        }
20        else if ((v[b] != 0) && v[a] == 0)
21        {
22            v[a] = v[b] + 1;
23        }
24        else if(v[a]*v[b] == 0)
25        {
26            c[a] = b;
27        }
28    }
29    for (int i = 1; i <= n; i++)
30    {
31        int a, b;
32        if (c[i] != 0)
33        {
34            a = i; b = c[i];
35            if ((v[a] != 0) && v[b] == 0)
36            {
37                v[b] = v[a] + 1;
38            }
39            else if ((v[b] != 0) && v[a] == 0)
40            {
41                v[a] = v[b] + 1;
42            }
43        }
44    }
}
```

```

45     int m_number = 0;
46     for (int i = 1; i <= n; i++)
47     {
48         a[v[i]]++;
49     }
50     for (int i = 2; i <= n; i++)
51     {
52         m_number += a[i-1]*a[i];
53     }
54     if (m != m_number)
55     {
56         cout << "NO" << endl;
57         return 0;
58     }
59     cout << "YES" << endl;
60     for (int i = 2; i < n; i++)
61     {
62         cout << v[i] << ' ';
63     }
64     cout << v[n];
65 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138349263

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 20:50:06	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int a[100005] = { 0 };
6 int c[100005] = { 0 };
7 int main()
8 {
9     int n, m;
10    cin >> n >> m;
11    v[1] = 1;
12    for (int i = 1; i <= m; i++)
13    {
14        int a, b;
15        cin >> a >> b;
16        if ((v[a] != 0) && v[b] == 0)
17        {
18            v[b] = v[a] + 1;
19        }
20        else if ((v[b] != 0) && v[a] == 0)
21        {
22            v[a] = v[b] + 1;
23        }
24        else if(v[a]*v[b] == 0)
25        {
26            c[a] = b;
27        }
28    }
29    for (int i = 1; i <= n; i++)
30    {
31        int a, b;
32        if (c[i] != 0)
33        {
34            a = i; b = c[i];
35            if ((v[a] != 0) && v[b] == 0)
36            {
37                v[b] = v[a] + 1;
38            }
39            else if ((v[b] != 0) && v[a] == 0)
40            {
41                v[a] = v[b] + 1;
42            }
43        }
44    }
}
```

```

45     int m_number = 0;
46     for (int i = 1; i <= n; i++)
47     {
48         a[v[i]]++;
49     }
50     for (int i = 2; i <= n; i++)
51     {
52         m_number += a[i-1]*a[i];
53     }
54     if (m != m_number)
55     {
56         cout << "NO" << endl;
57         return 0;
58     }
59     cout << "YES" << endl;
60     for (int i = 2; i < n; i++)
61     {
62         cout << v[i] << ' ';
63     }
64     cout << v[n];
65 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138348843

User	Time	Problem	Language	Verdict
L1874493887	2023/12/5 20:48:33	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int a[100005] = { 0 };
6 int c[100005] = { 0 };
7 int main()
8 {
9     int n, m;
10    cin >> n >> m;
11    v[1] = 1;
12    for (int i = 1; i <= m; i++)
13    {
14        int a, b;
15        cin >> a >> b;
16        if ((v[a] != 0) && v[b] == 0)
17        {
18            v[b] = v[a] + 1;
19        }
20        else if ((v[b] != 0) && v[a] == 0)
21        {
22            v[a] = v[b] + 1;
23        }
24        else if(v[a]*v[b] == 0)
25        {
26            c[a] = b;
27        }
28    }
29    for (int i = 1; i <= n; i++)
30    {
31        int a, b;
32        if (c[i] != 0)
33        {
34            a = i; b = c[i];
35            if ((v[a] != 0) && v[b] == 0)
36            {
37                v[b] = v[a] + 1;
38            }
39            else if ((v[b] != 0) && v[a] == 0)
40            {
41                v[a] = v[b] + 1;
42            }
43        }
44    }
}
```

```

45     int m_number = 0;
46     for (int i = 1; i <= n; i++)
47     {
48         a[v[i]]++;
49     }
50     for (int i = 2; i <= n; i++)
51     {
52         m_number += a[i-1]*a[i];
53     }
54     if (m != m_number)
55     {
56         cout << "NO" << endl;
57         return 0;
58     }
59     cout << "YES" << endl;
60     for (int i = 2; i <= n; i++)
61     {
62         cout << v[i] << ' ';
63     }
64 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138332264

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/5 19:50:39	Puzzle in Inazuma	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int N=1e5+10,inf=0x3f3f3f3f;
4 typedef pair<int,int> pii;
5 typedef long long ll;
6 ll n,m;
7 bool vis[N];
8 int dist[N],f[N];
9 vector<int> v[N];
10 void dij(int s,int e)
11 {
12     memset(dist,0x3f,sizeof(dist));
13     dist[s]=0;
14     priority_queue<pii,vector<pii>,greater<pii>> qu;
15     qu.push({0,s});
16     while(qu.size())
17     {
18         int now=qu.top().second;//now表示更新到的距离最小点
19         qu.pop();
20         if(vis[now]) continue;
21         vis[now]=1;//注意起点的vis是在循环内标记的
22         for(auto p:v[now])
23         {
24             if(dist[p]>dist[now]+1)//edge[]底标应该为i
25             {
26                 dist[p]=dist[now]+1;
27                 qu.push({dist[p],p});
28             }
29         }
30     }
31     for(int i=1;i<=n;++i) if(dist[i]==inf) {cout<<"NO\n";return ;}
32     for(int i=1;i<=n;++i) f[dist[i]]++;
33     ll res=0;
34     for(int i=0;i<n;++i)
35     if(f[i])
36     {
37         res+=(ll)f[i]*f[i+1];
38         if(res>m) {cout<<"NO\n";return ;}
39     }
40     cout<<"YES\n";
41     for(int i=2;i<=n;++i) cout<<dist[i]+1<<' ';
42 }
43
44
45 int main()
```

```

46 {
47     ios::sync_with_stdio(false);
48     cin.tie(0);
49     cin>>n>>m;
50     int x,y;
51     for(ll i=0;i<m;++i)
52     {
53         cin>>x>>y;
54         v[x].push_back(y);
55         v[y].push_back(x);
56     }
57     dij(1,n);
58 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138331611

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/5 19:48:16	Puzzle in Inazuma	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int N=1e5+10,inf=0x3f3f3f3f;
4 typedef pair<int,int> pii;
5 typedef long long ll;
6 ll n,m;
7 bool vis[N];
8 int dist[N],f[N];
9 vector<int> v[N];
10 void dij(int s,int e)
11 {
12     memset(dist,0x3f,sizeof(dist));
13     dist[s]=0;
14     priority_queue<pii,vector<pii>,greater<pii>> qu;
15     qu.push({0,s});
16     while(qu.size())
17     {
18         int now=qu.top().second;//now表示更新到的距离最小点
19         qu.pop();
20         if(vis[now]) continue;
21         vis[now]=1;//注意起点的vis是在循环内标记的
22         for(auto p:v[now])
23         {
24             if(dist[p]>dist[now]+1)//edge[]底标应该为i
25             {
26                 dist[p]=dist[now]+1;
27                 qu.push({dist[p],p});
28             }
29         }
30     }
31     for(int i=1;i<=n;++i) if(dist[i]==inf) {cout<<"NO\n";return ;}
32     for(int i=1;i<=n;++i) f[dist[i]]++;
33     ll res=0;
34     for(int i=0;i<n;++i)
35     if(f[i])
36     {
37         res+=(ll)f[i]*f[i+1];
38         if(res>m) {cout<<"NO\n";return ;}
39     }
40     cout<<"YES\n";
41     for(int i=2;i<=n;++i) cout<<dist[i]+1<<' ';
42 }
43
44
45 int main()
```

```
46 {
47     ios::sync_with_stdio(false);
48     cin.tie(0);
49     cin>>n>>m;
50     int x,y;
51     for(int i=0;i<m;++i)
52     {
53         cin>>x>>y;
54         v[x].push_back(y);
55         v[y].push_back(x);
56     }
57     dij(1,n);
58 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138331341

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/5 19:47:12	Puzzle in Inazuma	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int N=1e5+10,inf=0x3f3f3f3f;
4 typedef pair<int,int> pii;
5 typedef long long ll;
6 int n,m;
7 bool vis[N];
8 int dist[N],f[N];
9 vector<int> v[N];
10 void dij(int s,int e)
11 {
12     memset(dist,0x3f,sizeof(dist));
13     dist[s]=0;
14     priority_queue<pii,vector<pii>,greater<pii>> qu;
15     qu.push({0,s});
16     while(qu.size())
17     {
18         int now=qu.top().second;//now表示更新到的距离最小点
19         qu.pop();
20         if(vis[now]) continue;
21         vis[now]=1;//注意起点的vis是在循环内标记的
22         for(auto p:v[now])
23         {
24             if(dist[p]>dist[now]+1)//edge[]底标应该为i
25             {
26                 dist[p]=dist[now]+1;
27                 qu.push({dist[p],p});
28             }
29         }
30     }
31     for(int i=1;i<=n;++i) if(dist[i]==inf) {cout<<"NO\n";return ;}
32     for(int i=1;i<=n;++i) f[dist[i]]++;
33     ll res=0;
34     for(int i=0;i<n;++i)
35     if(f[i])
36     {
37         res+=(ll)f[i]*f[i+1];
38         if(res>m) {cout<<"NO\n";return ;}
39     }
40     cout<<"YES\n";
41     for(int i=2;i<=n;++i) cout<<dist[i]+1<<' ';
42 }
43
44
45 int main()
```

```

46 {
47     ios::sync_with_stdio(false);
48     cin.tie(0);
49     cin>>n>>m;
50     int x,y;
51     for(int i=0;i<m;++i)
52     {
53         cin>>x>>y;
54         v[x].push_back(y);
55         v[y].push_back(x);
56     }
57     dij(1,n);
58 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138317797

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 18:41:44	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1
2 n,m=map(int,input().split())
3 g=[[0]*n for i in range(n)]
4 M=[[0]*n]*n
5
6 for i in range(m):
7     a,b = map(int, input().split())
8     g[a-1][b-1]=1
9     g[b - 1][a - 1] = 1
10 tag=0
11
12 def find(g=g[0]):
13     global tag
14     next=[]
15     for i in range(len(g)):
16         if g[i]==1 :
17             next.append(i)
18             tag+=i
19     return next
20 for i in g:
21     i[0]=0
22 next=[]
23 out=[0]*(n-1)
24 I=0
25 next.append(find(g[0]))
26 for I in range(n):
27     for i in g:
28         for j in next[I]:
29             i[j]=0
30     for i in next[I]:
31         B=find(g[i])
32         if B!=[]:
33             next.append(B)
34     I+=1
35     if g==M:
36         break
37 d = dict()
38 result = []
39 for x in next:
40     if tuple(x) not in d:
41         d[tuple(x)] = 1
42         result.append(x)
43
44 for i in range(len(result)):
45     for j in range(len(result[i])):
```

```

46         if out[result[i][j]-1]==0:
47             out[result[i][j]-1]=i+2
48         else:
49             g[0][0]=1
50             break
51 if g==[[0]*n]*n:
52     print("YES")
53     for x in out:
54         print(f"{x}", end=" ")
55 else:
56     print("NO")
57

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Memory Limit Exceeded](#) :
 - Test 15 - [Memory Limit Exceeded](#) :
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138317150

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 18:37:34	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1
2 n,m=map(int,input().split())
3 g=[[0]*n for i in range(n)]
4 M=[[0]*n]*n
5
6 for i in range(m):
7     a,b = map(int, input().split())
8     g[a-1][b-1]=1
9     g[b - 1][a - 1] = 1
10 tag=0
11
12 def find(g=g[0]):
13     global tag
14     next=[]
15     for i in range(len(g)):
16         if g[i]==1 :
17             next.append(i)
18             tag+=i
19     return next
20 for i in g:
21     i[0]=0
22 next=[]
23 out=[0]*(n-1)
24 I=0
25 next.append(find(g[0]))
26 for I in range(n):
27     for i in g:
28         for j in next[I]:
29             i[j]=0
30     for i in next[I]:
31         B=find(g[i])
32         if B!=[]:
33             next.append(B)
34     I+=1
35     if g==M:
36         break
37 d = dict()
38 result = []
39 for x in next:
40     if tuple(x) not in d:
41         d[tuple(x)] = 1
42         result.append(x)
43
44 for i in range(len(result)):
45     for j in range(len(result[i])):
```

```

46     if out[result[i][j]-1]==0:
47         out[result[i][j]-1]=i+2
48     else:
49         g[0][0]=1
50         break
51 if g==[[0]*n]*n:
52     print("YES")
53     print(out)
54 else:
55     print("NO")
56

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Expected integer, but "[2," found
 - Test 1 - [Wrong Answer](#) : wrong output format Expected integer, but "[2," found
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong output format Expected integer, but "[2]" found
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Memory Limit Exceeded](#) :
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Memory Limit Exceeded](#) :
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Memory Limit Exceeded](#) :
 - Test 14 - [Memory Limit Exceeded](#) :
 - Test 15 - [Memory Limit Exceeded](#) :
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong output format Expected integer, but "[2," found
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138311786

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:54:56	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (m > 100)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int qq = 0;
39     if (n == m)
40     {
41         for (int i = 1; i <= n; i++)
42             if (position[i] != 2)
43             {
44                 qq = 1;
45                 break;
```

```

46 }
47 }
48 if (n != m)
49     qq = 1;
50 if (qq == 0)
51 {
52     cout << "NO";
53     return 0;
54 }
55 if (m == (n * (n - 1)) / 2)
56 {
57     cout << "NO";
58     return 0;
59 }
60 int step = 1;
61 no.push_back(1);
62 while (1)
63 {
64     int f = 0;
65     for (auto i = no.begin(); i != no.end(); i++)
66         for (auto j = 1; j <= position[*i]; j++)
67         {
68             if (flag[map[*i][j]] == 0)
69             {
70                 ne.push_back(map[*i][j]);
71                 flag[map[*i][j]] = step + 1;
72                 f = 1;
73             }
74             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step -
1)
75             {
76                 cout << "NO";
77                 return 0;
78             }
79         }
80     for (auto i = ne.begin(); i != ne.end(); i++)
81         for (auto j = no.begin(); j != no.end(); j++)
82     {
83         int o = 0;
84         for (auto m = 1; m <= position[*i]; m++)
85         {
86             if (map[*i][m] == *j)
87             {
88                 o = 1;
89                 break;
90             }
91         }
92         if (o == 0)
93         {
94             cout << "NO";
95             return 0;
96         }
97     }
98     if (f == 0)
99         break;
100    no.swap(ne);

```

```
101     ne.clear();
102     step++;
103 }
104 cout << "YES" << endl;
105 for (int i = 2; i <= n; i++)
106     cout << flag[i] << " ";
107 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138310154

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:42:54	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (m > 100)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int qq = 0;
39     if (n == m)
40     {
41         for (int i = 1; i <= n; i++)
42             if (position[i] != 2)
43             {
44                 qq = 1;
45                 break;
```

```

46 }
47 }
48 if (n != m)
49     qq = 1;
50 if (qq == 0)
51 {
52     cout << "NO";
53     return 0;
54 }
55 int step = 1;
56 no.push_back(1);
57 while (1)
58 {
59     int f = 0;
60     for (auto i = no.begin(); i != no.end(); i++)
61         for (auto j = 1; j <= position[*i]; j++)
62         {
63             if (flag[map[*i][j]] == 0)
64             {
65                 ne.push_back(map[*i][j]);
66                 flag[map[*i][j]] = step + 1;
67                 f = 1;
68             }
69             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step -
1)
70             {
71                 cout << "NO";
72                 return 0;
73             }
74         }
75     for (auto i = ne.begin(); i != ne.end(); i++)
76         for (auto j = no.begin(); j != no.end(); j++)
77         {
78             int o = 0;
79             for (auto m = 1; m <= position[*i]; m++)
80             {
81                 if (map[*i][m] == *j)
82                 {
83                     o = 1;
84                     break;
85                 }
86             }
87             if (o == 0)
88             {
89                 cout << "NO";
90                 return 0;
91             }
92         }
93     if (f == 0)
94         break;
95     no.swap(ne);
96     ne.clear();
97     step++;
98 }
99 cout << "YES" << endl;
100 for (int i = 2; i <= n; i++)

```

```
101     cout << flag[i] << " ";
102 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138307480

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:26:41	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (m > 1000)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int step = 1;
39     no.push_back(1);
40     while (1)
41     {
42         int f = 0;
43         for (auto i = no.begin(); i != no.end(); i++)
44             for (auto j = 1; j <= position[*i]; j++)
45             {
```

```

46             if (flag[map[*i][j]] == 0)
47             {
48                 ne.push_back(map[*i][j]);
49                 flag[map[*i][j]] = step + 1;
50                 f = 1;
51             }
52             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
53             {
54                 cout << "NO";
55                 return 0;
56             }
57         }
58         for (auto i = ne.begin(); i != ne.end(); i++)
59             for (auto j = no.begin(); j != no.end(); j++)
60             {
61                 int o = 0;
62                 for (auto m = 1; m <= position[*i]; m++)
63                 {
64                     if (map[*i][m] == *j)
65                     {
66                         o = 1;
67                         break;
68                     }
69                 }
70                 if (o == 0)
71                 {
72                     cout << "NO";
73                     return 0;
74                 }
75             }
76             if (f == 0)
77                 break;
78             no.swap(ne);
79             ne.clear();
80             step++;
81         }
82         cout << "YES" << endl;
83         for (int i = 2; i <= n; i++)
84             cout << flag[i] << " ";
85     }

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct

- Test 7 - Accepted : ok OK, participant's solution is correct
- Test 8 - Accepted : ok OK, participant's solution is correct
- Test 9 - Accepted : ok OK, participant's solution is correct
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Accepted : ok OK, participant's solution is correct
- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138307385

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:26:10	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (c > 100)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int step = 1;
39     no.push_back(1);
40     while (1)
41     {
42         int f = 0;
43         for (auto i = no.begin(); i != no.end(); i++)
44             for (auto j = 1; j <= position[*i]; j++)
45             {
```

```

46             if (flag[map[*i][j]] == 0)
47             {
48                 ne.push_back(map[*i][j]);
49                 flag[map[*i][j]] = step + 1;
50                 f = 1;
51             }
52             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
53             {
54                 cout << "NO";
55                 return 0;
56             }
57         }
58         for (auto i = ne.begin(); i != ne.end(); i++)
59             for (auto j = no.begin(); j != no.end(); j++)
60             {
61                 int o = 0;
62                 for (auto m = 1; m <= position[*i]; m++)
63                 {
64                     if (map[*i][m] == *j)
65                     {
66                         o = 1;
67                         break;
68                     }
69                 }
70                 if (o == 0)
71                 {
72                     cout << "NO";
73                     return 0;
74                 }
75             }
76             if (f == 0)
77                 break;
78             no.swap(ne);
79             ne.clear();
80             step++;
81         }
82         cout << "YES" << endl;
83         for (int i = 2; i <= n; i++)
84             cout << flag[i] << " ";
85     }

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct

- Test 7 - **Memory Limit Exceeded** :
- Test 8 - **Memory Limit Exceeded** :
- Test 9 - **Accepted** : ok OK, participant's solution is correct
- Test 10 - **Memory Limit Exceeded** :
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Accepted** : ok OK, participant's solution is correct
- Test 14 - **Runtime Error** :
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138307179

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:25:04	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (c > 90000)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int step = 1;
39     no.push_back(1);
40     while (1)
41     {
42         int f = 0;
43         for (auto i = no.begin(); i != no.end(); i++)
44             for (auto j = 1; j <= position[*i]; j++)
45             {
```

```

46             if (flag[map[*i][j]] == 0)
47             {
48                 ne.push_back(map[*i][j]);
49                 flag[map[*i][j]] = step + 1;
50                 f = 1;
51             }
52             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
53             {
54                 cout << "NO";
55                 return 0;
56             }
57         }
58         for (auto i = ne.begin(); i != ne.end(); i++)
59             for (auto j = no.begin(); j != no.end(); j++)
60             {
61                 int o = 0;
62                 for (auto m = 1; m <= position[*i]; m++)
63                 {
64                     if (map[*i][m] == *j)
65                     {
66                         o = 1;
67                         break;
68                     }
69                 }
70                 if (o == 0)
71                 {
72                     cout << "NO";
73                     return 0;
74                 }
75             }
76             if (f == 0)
77                 break;
78             no.swap(ne);
79             ne.clear();
80             step++;
81         }
82         cout << "YES" << endl;
83         for (int i = 2; i <= n; i++)
84             cout << flag[i] << " ";
85     }

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct

- Test 7 - **Memory Limit Exceeded** :
- Test 8 - **Memory Limit Exceeded** :
- Test 9 - **Accepted** : ok OK, participant's solution is correct
- Test 10 - **Memory Limit Exceeded** :
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Accepted** : ok OK, participant's solution is correct
- Test 14 - **Runtime Error** :
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138307032

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:24:18	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c;
20     if (c > 1000)
21         c = sqrt(m) + 1;
22     else c = m;
23     for (int i = 1; i <= n; i++)
24         map[i] = new int[c];
25     for (int i = 1; i <= m; i++)
26     {
27         cin >> p >> q;
28         if (p == q)
29         {
30             cout << "NO";
31             return 0;
32         }
33         position[p]++;
34         position[q]++;
35         map[p][position[p]] = q;
36         map[q][position[q]] = p;
37     }
38     int step = 1;
39     no.push_back(1);
40     while (1)
41     {
42         int f = 0;
43         for (auto i = no.begin(); i != no.end(); i++)
44             for (auto j = 1; j <= position[*i]; j++)
45             {
```

```

46             if (flag[map[*i][j]] == 0)
47             {
48                 ne.push_back(map[*i][j]);
49                 flag[map[*i][j]] = step + 1;
50                 f = 1;
51             }
52             else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
53             {
54                 cout << "NO";
55                 return 0;
56             }
57         }
58         for (auto i = ne.begin(); i != ne.end(); i++)
59             for (auto j = no.begin(); j != no.end(); j++)
60             {
61                 int o = 0;
62                 for (auto m = 1; m <= position[*i]; m++)
63                 {
64                     if (map[*i][m] == *j)
65                     {
66                         o = 1;
67                         break;
68                     }
69                 }
70                 if (o == 0)
71                 {
72                     cout << "NO";
73                     return 0;
74                 }
75             }
76             if (f == 0)
77                 break;
78             no.swap(ne);
79             ne.clear();
80             step++;
81         }
82         cout << "YES" << endl;
83         for (int i = 2; i <= n; i++)
84             cout << flag[i] << " ";
85     }

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct

- Test 7 - **Memory Limit Exceeded** :
- Test 8 - **Memory Limit Exceeded** :
- Test 9 - **Accepted** : ok OK, participant's solution is correct
- Test 10 - **Memory Limit Exceeded** :
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Accepted** : ok OK, participant's solution is correct
- Test 14 - **Runtime Error** :
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138306407

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:21:11	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     int c = sqrt(m) + 1;
20     for (int i = 1; i <= n; i++)
21         map[i] = new int[c];
22     for (int i = 1; i <= m; i++)
23     {
24         cin >> p >> q;
25         if (p == q)
26         {
27             cout << "NO";
28             return 0;
29         }
30         position[p]++;
31         position[q]++;
32         map[p][position[p]] = q;
33         map[q][position[q]] = p;
34     }
35     int step = 1;
36     no.push_back(1);
37     while (1)
38     {
39         int f = 0;
40         for (auto i = no.begin(); i != no.end(); i++)
41             for (auto j = 1; j <= position[*i]; j++)
42             {
43                 if (flag[map[*i][j]] == 0)
44                 {
45                     ne.push_back(map[*i][j]);
46                     flag[map[*i][j]] = 1;
47                     f = 1;
48                 }
49             }
50             if (f == 0)
51                 break;
52         if (f == 0)
53             break;
54     }
55 }
```

```

46             flag[map[*i][j]] = step + 1;
47             f = 1;
48         }
49         else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
50     {
51             cout << "NO";
52             return 0;
53         }
54     }
55     for (auto i = ne.begin(); i != ne.end(); i++)
56         for (auto j = no.begin(); j != no.end(); j++)
57     {
58         int o = 0;
59         for (auto m = 1; m <= position[*i]; m++)
60     {
61         if (map[*i][m] == *j)
62     {
63             o = 1;
64             break;
65         }
66     }
67     if (o == 0)
68     {
69         cout << "NO";
70         return 0;
71     }
72     }
73     if (f == 0)
74         break;
75     no.swap(ne);
76     ne.clear();
77     step++;
78 }
79 cout << "YES" << endl;
80 for (int i = 2; i <= n; i++)
81     cout << flag[i] << " ";
82 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct

- Test 9 - Accepted : ok OK, participant's solution is correct
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Accepted : ok OK, participant's solution is correct
- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138306089

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:19:46	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     for (int i = 1; i <= n; i++)
20         map[i] = new int[sqrt(m)];
21     for (int i = 1; i <= m; i++)
22     {
23         cin >> p >> q;
24         if (p == q)
25         {
26             cout << "NO";
27             return 0;
28         }
29         position[p]++;
30         position[q]++;
31         map[p][position[p]] = q;
32         map[q][position[q]] = p;
33     }
34     int step = 1;
35     no.push_back(1);
36     while (1)
37     {
38         int f = 0;
39         int u = 0;
40         for (auto i = no.begin(); i != no.end(); i++)
41             for (auto j = 1; j <= position[*i]; j++)
42             {
43                 if (flag[map[*i][j]] == 0)
44                 {
45                     ne.push_back(map[*i][j]);
46                     flag[map[*i][j]] = 1;
47                     u++;
48                 }
49             }
50         if (u == 0)
51             break;
52     }
53 }
```

```

46             flag[map[*i][j]] = step + 1;
47             f = 1;
48         }
49         else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
50         {
51             cout << "NO";
52             return 0;
53         }
54     }
55     for (auto i = ne.begin(); i != ne.end(); i++)
56     for (auto j = no.begin(); j != no.end(); j++)
57     {
58         int o = 0;
59         for (auto m = 1; m <= position[*i]; m++)
60         {
61             if (map[*i][m] == *j)
62             {
63                 o = 1;
64                 break;
65             }
66         }
67         if (o == 0)
68         {
69             cout << "NO";
70             return 0;
71         }
72     }
73     if (f == 0)
74     {
75         no.swap(ne);
76         ne.clear();
77         step++;
78     }
79     cout << "YES" << endl;
80     for (int i = 2; i <= n; i++)
81     cout << flag[i] << " ";
82 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_l7grdka5/src: 在函数'int main()'中:
2 /tmp/compiler_l7grdka5/src:20:20: 错误: new 声明中的表达式必须具有整数或枚举类型
3     20 |     map[i] = new int[sqrt(m)];
4     |           ^
5 /tmp/compiler_l7grdka5/src:39:7: 警告: unused variable 'u' [-Wunused-variable]
6     39 |     int u = 0;
7     |           ^
8 
```

Submission 138305985

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:19:10	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     for (int i = 1; i <= n; i++)
20         map[i] = new int[sqrt(m)];
21     for (int i = 1; i <= m; i++)
22     {
23         cin >> p >> q;
24         if (p == q)
25         {
26             cout << "NO";
27             return 0;
28         }
29         position[p]++;
30         position[q]++;
31         map[p][position[p]] = q;
32         map[q][position[q]] = p;
33     }
34     int step = 1;
35     no.push_back(1);
36     while (1)
37     {
38         int f = 0;
39         int u = 0;
40         for (auto i = no.begin(); i != no.end(); i++)
41             for (auto j = 1; j <= position[*i]; j++)
42             {
43                 if (flag[map[*i][j]] == 0)
44                 {
45                     ne.push_back(map[*i][j]);
46                     flag[map[*i][j]] = 1;
47                     u++;
48                 }
49             }
50         if (u == 0)
51             break;
52     }
53 }
```

```

46             flag[map[*i][j]] = step + 1;
47             f = 1;
48         }
49         else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
50         {
51             cout << "NO";
52             return 0;
53         }
54     }
55     for (auto i = ne.begin(); i != ne.end(); i++)
56     for (auto j = no.begin(); j != no.end(); j++)
57     {
58         int o = 0;
59         for (auto m = 1; m <= position[*i]; m++)
60         {
61             if (map[*i][m] == *j)
62             {
63                 o = 1;
64                 break;
65             }
66         }
67         if (o == 0)
68         {
69             cout << "NO";
70             return 0;
71         }
72     }
73     if (f == 0)
74     {
75         no.swap(ne);
76         ne.clear();
77         step++;
78     }
79     cout << "YES" << endl;
80     for (int i = 2; i <= n; i++)
81     cout << flag[i] << " ";
82 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_33pirw6l/src: 在函数'int main()'中:
2 /tmp/compiler_33pirw6l/src:20:20: 错误: new 声明中的表达式必须具有整数或枚举类型
3     20 |     map[i] = new int[sqrt(m)];
4     |           ^
5 /tmp/compiler_33pirw6l/src:39:7: 警告: unused variable 'u' [-Wunused-variable]
6     39 |     int u = 0;
7     |           ^
8 
```

Submission 138305491

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:16:58	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<stdio.h>
5 #include<math.h>
6 using namespace std;
7 vector<int> no;
8 vector<int> ne;
9 int main()
10 {
11     int n, m;
12     int p, q;
13     int flag[100001] = { 0 };
14     int position[100001] = { 0 };
15     flag[1] = 1;
16     cin >> n >> m;
17     int** map = NULL;
18     map = new int* [n];
19     for (int i = 1; i <= n; i++)
20         map[i] = new int[m];
21     for (int i = 1; i <= m; i++)
22     {
23         cin >> p >> q;
24         if (p == q)
25         {
26             cout << "NO";
27             return 0;
28         }
29         position[p]++;
30         position[q]++;
31         map[p][position[p]] = q;
32         map[q][position[q]] = p;
33     }
34     int step = 1;
35     no.push_back(1);
36     while (1)
37     {
38         int f = 0;
39         int u = 0;
40         for (auto i = no.begin(); i != no.end(); i++)
41             for (auto j = 1; j <= position[*i]; j++)
42             {
43                 if (flag[map[*i][j]] == 0)
44                 {
45                     ne.push_back(map[*i][j]);
46                     flag[map[*i][j]] = 1;
47                     u++;
48                     if (u == m)
49                     break;
50                 }
51             }
52         if (u == m)
53             break;
54     }
55 }
```

```

46             flag[map[*i][j]] = step + 1;
47             f = 1;
48         }
49         else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
50     {
51             cout << "NO";
52             return 0;
53         }
54     }
55     for (auto i = ne.begin(); i != ne.end(); i++)
56         for (auto j = no.begin(); j != no.end(); j++)
57     {
58         int o = 0;
59         for (auto m = 1; m <= position[*i]; m++)
60     {
61             if (map[*i][m] == *j)
62             {
63                 o = 1;
64                 break;
65             }
66         }
67         if (o == 0)
68         {
69             cout << "NO";
70             return 0;
71         }
72     }
73     if (f == 0)
74         break;
75     no.swap(ne);
76     ne.clear();
77     step++;
78 }
79 cout << "YES" << endl;
80 for (int i = 2; i <= n; i++)
81     cout << flag[i] << " ";
82 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Memory Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Memory Limit Exceeded** :
 - Test 8 - **Memory Limit Exceeded** :

- Test 9 - Accepted : ok OK, participant's solution is correct
- Test 10 - Memory Limit Exceeded :
- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Memory Limit Exceeded :
- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Runtime Error :
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138305299

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:16:06	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> no;
9 vector<int> ne;
10 int main()
11 {
12     int n, m;
13     int p, q;
14     int flag[100001] = { 0 };
15     int position[100001] = { 0 };
16     flag[1] = 1;
17     cin >> n >> m;
18     int** map = NULL;
19     map = new int* [n];
20     for (int i = 1; i <= n; i++)
21         map[i] = new int[sqrt(m)];
22     for (int i = 1; i <= m; i++)
23     {
24         cin >> p >> q;
25         if (p == q)
26         {
27             cout << "NO";
28             return 0;
29         }
30         position[p]++;
31         position[q]++;
32         map[p][position[p]] = q;
33         map[q][position[q]] = p;
34     }
35     int step = 1;
36     no.push_back(1);
37     while (1)
38     {
39         int f = 0;
40         int u = 0;
41         for (auto i = no.begin(); i != no.end(); i++)
42             for (auto j = 1; j <= position[*i]; j++)
43             {
44                 if (flag[map[*i][j]] == 0)
45                 {
```

```

46             ne.push_back(map[*i][j]);
47             flag[map[*i][j]] = step + 1;
48             f = 1;
49         }
50     else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
51     {
52         cout << "NO";
53         return 0;
54     }
55 }
56 for (auto i = ne.begin(); i != ne.end(); i++)
57     for (auto j = no.begin(); j != no.end(); j++)
58     {
59         int o = 0;
60         for (auto m = 1; m <= position[*i]; m++)
61         {
62             if (map[*i][m] == *j)
63             {
64                 o = 1;
65                 break;
66             }
67         }
68         if (o == 0)
69         {
70             cout << "NO";
71             return 0;
72         }
73     }
74     if (f == 0)
75     {
76         break;
77     }
78     no.swap(ne);
79     ne.clear();
80     step++;
81 }
82 cout << "YES" << endl;
83 for (int i = 2; i <= n; i++)
84     cout << flag[i] << " ";
85 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_2nz4po7r/src: 在函数'int main()'中:
2 /tmp/compiler_2nz4po7r/src:21:20: 错误: 'sqrt'在此作用域中尚未声明
3   21 |   map[i] = new int[sqrt(m)];
4   |           ^
5 /tmp/compiler_2nz4po7r/src:40:7: 警告: unused variable 'u' [-Wunused-variable]
6   40 |   int u = 0;
7   |           ^
8 
```

Submission 138304318

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 17:11:12	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> no;
9 vector<int> ne;
10 int main()
11 {
12     int n, m;
13     int p, q;
14     int flag[100001] = { 0 };
15     int position[100001] = { 0 };
16     flag[1] = 1;
17     cin >> n >> m;
18     int** map = NULL;
19     map = new int* [n];
20     for (int i = 1; i <= n; i++)
21         map[i] = new int[m/2];
22     for (int i = 1; i <= m; i++)
23     {
24         cin >> p >> q;
25         if (p == q)
26         {
27             cout << "NO";
28             return 0;
29         }
30         position[p]++;
31         position[q]++;
32         map[p][position[p]] = q;
33         map[q][position[q]] = p;
34     }
35     int step = 1;
36     no.push_back(1);
37     while (1)
38     {
39         int f = 0;
40         int u = 0;
41         for (auto i = no.begin(); i != no.end(); i++)
42             for (auto j = 1; j <= position[*i]; j++)
43             {
44                 if (flag[map[*i][j]] == 0)
```

```

46
47         ne.push_back(map[*i][j]);
48         flag[map[*i][j]] = step + 1;
49         f = 1;
50     }
51     else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
52     {
53         cout << "NO";
54         return 0;
55     }
56 }
57 for (auto i = ne.begin(); i != ne.end(); i++)
58     for (auto j = no.begin(); j != no.end(); j++)
59     {
60         int o = 0;
61         for (auto m = 1; m <= position[*i]; m++)
62         {
63             if (map[*i][m] == *j)
64             {
65                 o = 1;
66                 break;
67             }
68         }
69         if (o == 0)
70         {
71             cout << "NO";
72             return 0;
73         }
74     }
75     if (f == 0)
76         break;
77     no.swap(ne);
78     ne.clear();
79     step++;
80 }
81 cout << "YES" << endl;
82 for (int i = 2; i <= n; i++)
83     cout << flag[i] << " ";
84 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct

- Test 7 - **Memory Limit Exceeded** :
- Test 8 - **Memory Limit Exceeded** :
- Test 9 - **Accepted** : ok OK, participant's solution is correct
- Test 10 - **Memory Limit Exceeded** :
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Accepted** : ok OK, participant's solution is correct
- Test 14 - **Runtime Error** :
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138299891

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 16:49:48	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> no;
9 vector<int> ne;
10 int main()
11 {
12     int n, m;
13     int p, q;
14     int flag[100001] = { 0 };
15     int position[100001] = { 0 };
16     flag[1] = 1;
17     cin >> n >> m;
18     int** map = NULL;
19     map = new int* [n];
20     for (int i = 1; i <= n; i++)
21         map[i] = new int[m];
22     for (int i = 1; i <= m; i++)
23     {
24         cin >> p >> q;
25         if (p == q)
26         {
27             cout << "NO";
28             return 0;
29         }
30         position[p]++;
31         position[q]++;
32         map[p][position[p]] = q;
33         map[q][position[q]] = p;
34     }
35     int step = 1;
36     no.push_back(1);
37     while (1)
38     {
39         int f = 0;
40         int u = 0;
41         for (auto i = no.begin(); i != no.end(); i++)
42             for (auto j = 1; j <= position[*i]; j++)
43             {
44                 if (flag[map[*i][j]] == 0)
```

```

46
47         ne.push_back(map[*i][j]);
48         flag[map[*i][j]] = step + 1;
49         f = 1;
50     }
51     else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
52     {
53         cout << "NO";
54         return 0;
55     }
56 }
57 for (auto i = ne.begin(); i != ne.end(); i++)
58     for (auto j = no.begin(); j != no.end(); j++)
59     {
60         int o = 0;
61         for (auto m = 1; m <= position[*i]; m++)
62         {
63             if (map[*i][m] == *j)
64             {
65                 o = 1;
66                 break;
67             }
68         }
69         if (o == 0)
70         {
71             cout << "NO";
72             return 0;
73         }
74     }
75     if (f == 0)
76         break;
77     no.swap(ne);
78     ne.clear();
79     step++;
80 }
81 cout << "YES" << endl;
82 for (int i = 2; i <= n; i++)
83     cout << flag[i] << " ";
84 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct

- Test 7 - **Memory Limit Exceeded** :
- Test 8 - **Memory Limit Exceeded** :
- Test 9 - **Accepted** : ok OK, participant's solution is correct
- Test 10 - **Memory Limit Exceeded** :
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Accepted** : ok OK, participant's solution is correct
- Test 14 - **Runtime Error** :
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138299702

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 16:49:04	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> no;
9 vector<int> ne;
10 int main()
11 {
12     int n, m;
13     int p, q;
14     int flag[100001] = { 0 };
15     int position[100001] = { 0 };
16     flag[1] = 1;
17     cin >> n >> m;
18     int** map = NULL;
19     map = new int* [n];
20     for (int i = 1; i <= n; i++)
21         map[i] = new int[m];
22     for (int i = 1; i <= m; i++)
23     {
24         cin >> p >> q;
25         if (p == q)
26         {
27             cout << "NO";
28             return 0;
29         }
30         position[p]++;
31         position[q]++;
32         map[p][position[p]] = q;
33         map[q][position[q]] = p;
34     }
35     int step = 1;
36     no.push_back(1);
37     while (1)
38     {
39         int f = 0;
40         int u = 0;
41         for (auto i = no.begin(); i != no.end(); i++)
42             for (auto j = 1; j <= position[*i]; j++)
43             {
44                 if (flag[map[*i][j]] == 0)
```

```

46
47         ne.push_back(map[*i][j]);
48         flag[map[*i][j]] = step + 1;
49         f = 1;
50     }
51     else if (flag[map[*i][j]] > 0 && flag[map[*i][j]] < step - 1)
52     {
53         cout << "NO";
54         return 0;
55     }
56 }
57 for (auto i = ne.begin(); i != ne.end(); i++)
58     for (auto j = no.begin(); j != no.end(); j++)
59     {
60         int o = 0;
61         for (auto m = 1; m <= position[*i]; m++)
62         {
63             if (map[*i][m] == *j)
64             {
65                 o = 1;
66                 break;
67             }
68         }
69         if (o == 0)
70         {
71             cout << "NO";
72             return 0;
73         }
74     }
75     if (f == 0)
76         break;
77     no.swap(ne);
78     ne.clear();
79     step++;
80 }
81 cout << "YES" << endl;
82 for (int i = 2; i <= n; i++)
83     cout << flag[i] << " ";
84 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct

- Test 7 - **Memory Limit Exceeded** :
- Test 8 - **Memory Limit Exceeded** :
- Test 9 - **Accepted** : ok OK, participant's solution is correct
- Test 10 - **Memory Limit Exceeded** :
- Test 11 - **Accepted** : ok OK, participant's solution is correct
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Accepted** : ok OK, participant's solution is correct
- Test 14 - **Runtime Error** :
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138283986

User	Time	Problem	Language	Verdict
Linfinite	2023/12/5 14:56:29	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  from collections import deque, defaultdict
2  def solve_problem(n, m, connections):
3      # 定义无向图
4      graph = defaultdict(list)
5      for u, v in connections:
6          graph[u].append(v)
7          graph[v].append(u)
8      # 初始化 magatama
9      magatama = [0] * (n + 1)
10     magatama[1] = 1
11     # 通过 BFS 分配 magatama 的数值
12     queue = deque([1])
13     while queue:
14         node = queue.popleft()
15         for neighbor in graph[node]:
16             if magatama[neighbor] == 0:
17                 magatama[neighbor] = magatama[node] + 1
18                 queue.append(neighbor)
19     # 检测 magatama 数为 n 的灯笼是否与值 n+1 的灯笼全部相连
20     magatama_count = [0] * (n + 2)
21     for count in magatama:
22         magatama_count[count] += 1
23     for u in range(1, n + 1):
24         next_level_count = 0
25         for v in graph[u]:
26             if magatama[v] == magatama[u] + 1:
27                 next_level_count += 1
28             if next_level_count != magatama_count[magatama[u] + 1]:
29                 return "NO", []
30     return "YES", magatama[2:]
31     # 输入数据
32     n, m = map(int, input().split())
33     connections = []
34     for _ in range(m):
35         u, v = map(int, input().split())
36         connections.append((u, v))
37     res, magatama = solve_problem(n, m, connections)
38     # 输出结果
39     print(res)
40     if res == "YES":
41         print(" ".join(map(str, magatama)))
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Accepted** : ok OK, participant's solution is correct
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Accepted** : ok OK, participant's solution is correct
 - Test 8 - **Accepted** : ok OK, participant's solution is correct
 - Test 9 - **Accepted** : ok OK, participant's solution is correct
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Accepted** : ok OK, participant's solution is correct
 - Test 13 - **Accepted** : ok OK, participant's solution is correct
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138282640

User	Time	Problem	Language	Verdict
Linfinite	2023/12/5 14:43:41	Puzzle in Inazuma	Python 3	Unaccepted

Code

```
1  from collections import deque, defaultdict
2  def solve_problem(n, m, connections):
3      # 定义无向图
4      graph = defaultdict(list)
5      for u, v in connections:
6          graph[u].append(v)
7          graph[v].append(u)
8      # 初始化 magatama
9      magatama = [0] * (n + 1)
10     magatama[1] = 1
11     # 通过 BFS 分配 magatama 的数值
12     queue = deque([1])
13     while queue:
14         node = queue.popleft()
15         for neighbor in graph[node]:
16             if magatama[neighbor] == 0:
17                 magatama[neighbor] = magatama[node] + 1
18                 queue.append(neighbor)
19     # 检测 magatama 数为 n 的灯笼是否与值 n+1 的灯笼全部相连
20     for u in range(1, n + 1):
21         next_level = [v for v in graph[u] if magatama[v] - magatama[u] == 1]
22         if len(next_level) != len([v for v in range(1, n + 1) if magatama[v] - magatama[u] == 1]):
23             return "NO", []
24     return "YES", magatama[2:]
25     # 输入数据
26     n, m = map(int, input().split())
27     connections = []
28     for _ in range(m):
29         u, v = map(int, input().split())
30         connections.append((u, v))
31     res, magatama = solve_problem(n, m, connections)
32     # 输出结果
33     print(res)
34     if res == "YES":
35         print(" ".join(map(str, magatama)))
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct

- Test 3 - Accepted : ok OK, participant's solution is correct
- Test 4 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
- Test 5 - Time Limit Exceeded :
- Test 6 - Accepted : ok OK, participant's solution is correct
- Test 7 - Time Limit Exceeded :
- Test 8 - Time Limit Exceeded :
- Test 9 - Time Limit Exceeded :
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Time Limit Exceeded :
- Test 12 - Time Limit Exceeded :
- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138267005

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 11:39:15	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> now1;
9 vector<int> next1;
10 unordered_map<string, bool> ttmap;
11 struct node
12 {
13     int a = 0;
14     int b = 0;
15 };
16 node ex(string p)
17 {
18     int int1 = 0, int2 = 0;
19     istringstream iss(p);
20     string token;
21     int step = 1;
22     while (getline(iss, token, ',')) {
23         if (step == 1)
24             int1 = atoi(token.c_str());
25         if (step == 2)
26             int2 = atoi(token.c_str());
27         step++;
28     }
29     node result;
30     result.a = int1;
31     result.b = int2;
32     return result;
33 }
34 int check(int target)
35 {
36     for (auto i = now1.begin(); i != now1.end(); i++)
37     {
38         if (*i < target)
39         {
40             string t = to_string(*i) + "," + to_string(target);
41             if (ttmap[t] == 1)
42                 ttmap.erase(t);
43             else if (ttmap[t] == 0)
44                 return 2;
45             else return 0;
46         }
47     }
48 }
```

```

46     }
47     else
48     {
49         string t = to_string(target) + "," + to_string(*i);
50         if (ttmap[t] == 1)
51             ttmap.erase(t);
52         else if (ttmap[t] == 0)
53             return 2;
54         else return 0;
55     }
56 }
57 return 0;
58 }
59 int main()
60 {
61     int judge = 0;
62     int n, m;
63     int p, q;
64     int flag[100010] = { 0 };
65     flag[1] = 1;
66     cin >> n >> m;
67     for (int i = 1; i <= m; i++)
68     {
69         cin >> p >> q;
70         if (p == q)
71         {
72             cout << "NO";
73             return 0;
74         }
75         if (p < q)
76         {
77             string s = to_string(p) + "," + to_string(q);
78             ttmap[s] = 1;
79         }
80         else
81         {
82             string s = to_string(q) + "," + to_string(p);
83             ttmap[s] = 1;
84         }
85     }
86     int step = 1;
87     now1.push_back(1);
88     while (1)
89     {
90         int f = 0;
91         int u = 0;
92         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
93         {
94             for (unordered_map<string, bool>::iterator j = ttmap.begin(); j
95             != ttmap.end(); j++)
96             {
97                 node z = ex(j->first);
98                 if (z.a == *i && flag[z.b] == 0)
99                 {
100                     next1.push_back(z.b);
101                     flag[z.b] = step + 1;

```

```

101             f = 1;
102         }
103         if (z.b == *i && flag[z.a] == 0)
104     {
105             next1.push_back(z.a);
106             flag[z.a] = step + 1;
107             f = 1;
108         }
109     }
110 }
111 for (auto i = next1.begin(); i != next1.end(); i++)
112 {
113     u = check(*i);
114     if (u == 2)
115     {
116         judge = 1;
117         break;
118     }
119     if (f == 0)
120         break;
121     now1.swap(next1);
122     next1.clear();
123     step++;
124 }
125 if (judge == 0)
126 {
127     cout << "YES" << endl;
128     for (int i = 2; i <= n; i++)
129         cout << flag[i] << " ";
130     }
131 else
132     cout << "NO";
133 }
134 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :

- Test 11 - [Time Limit Exceeded](#) :
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Accepted](#) : ok OK, participant's solution is correct
- Test 17 - [Accepted](#) : ok OK, participant's solution is correct
- Test 18 - [Accepted](#) : ok OK, participant's solution is correct
- Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138266458

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 11:30:49	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> now1;
9 vector<int> next1;
10 unordered_map<string, bool> ttmap;
11 struct node
12 {
13     int a = 0;
14     int b = 0;
15 };
16 node ex(string p)
17 {
18     int int1 = 0, int2 = 0;
19     istringstream iss(p);
20     string token;
21     int step = 1;
22     while (getline(iss, token, ',')) {
23         if (step == 1)
24             int1 = atoi(token.c_str());
25         if (step == 2)
26             int2 = atoi(token.c_str());
27         step++;
28     }
29     node result;
30     result.a = int1;
31     result.b = int2;
32     return result;
33 }
34 int check(int target)
35 {
36     for (auto i = now1.begin(); i != now1.end(); i++)
37     {
38         if (*i < target)
39         {
40             string t = to_string(*i) + "," + to_string(target);
41             if (ttmap[t] == 1)
42                 ttmap.erase(t);
43             else if (ttmap[t] == 0)
44                 return 2;
45             else return 0;
46         }
47     }
48 }
```

```

46     }
47     else
48     {
49         string t = to_string(target) + "," + to_string(*i);
50         if (ttmap[t] == 1)
51             ttmap.erase(t);
52         else if (ttmap[t] == 0)
53             return 2;
54         else return 0;
55     }
56 }
57 return 0;
58 }
59 int main()
60 {
61     int judge = 0;
62     int n, m;
63     int p, q;
64     int flag[100010] = { 0 };
65     flag[1] = 1;
66     cin >> n >> m;
67     for (int i = 1; i <= m; i++)
68     {
69         cin >> p >> q;
70         if (p == q)
71         {
72             cout << "NO";
73             return 0;
74         }
75         if (p < q)
76         {
77             string s = to_string(p) + "," + to_string(q);
78             ttmap[s] = 1;
79         }
80         else
81         {
82             string s = to_string(q) + "," + to_string(p);
83             ttmap[s] = 1;
84         }
85     }
86     int step = 1;
87     now1.push_back(1);
88     while (1)
89     {
90         int f = 0;
91         int u = 0;
92         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
93         {
94             for (unordered_map<string, bool>::iterator j = ttmap.begin(); j
95             != ttmap.end(); j++)
96             {
97                 node z = ex(j->first);
98                 if (z.a == *i && flag[z.b] == 0)
99                 {
100                     next1.push_back(z.b);
101                     flag[z.b] = step + 1;

```

```

101             f = 1;
102         }
103         if (z.b == *i && flag[z.a] == 0)
104     {
105             next1.push_back(z.a);
106             flag[z.a] = step + 1;
107             f = 1;
108         }
109     }
110 }
111 for (auto i = next1.begin(); i != next1.end(); i++)
112     u = check(*i);
113 if (u == 2)
114 {
115     judge = 1;
116     break;
117 }
118 if (f == 0)
119     break;
120 now1.swap(next1);
121 vector<int> blank;
122 next1.swap(blank);
123 step++;
124 }
125 if (judge == 0)
126 {
127     cout << "YES" << endl;
128     for (int i = 2; i <= n; i++)
129         cout << flag[i] << " ";
130 }
131 else
132     cout << "NO";
133 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :

- Test 11 - [Time Limit Exceeded](#) :
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Accepted](#) : ok OK, participant's solution is correct
- Test 17 - [Accepted](#) : ok OK, participant's solution is correct
- Test 18 - [Accepted](#) : ok OK, participant's solution is correct
- Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138266190

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 11:27:26	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> now1;
9 vector<int> next1;
10 unordered_map<string, bool> ttmap;
11 struct node
12 {
13     int a = 0;
14     int b = 0;
15 };
16 node ex(string p)
17 {
18     int int1 = 0, int2 = 0;
19     istringstream iss(p);
20     string token;
21     int step = 1;
22     while (getline(iss, token, ',')) {
23         if (step == 1)
24             int1 = atoi(token.c_str());
25         if (step == 2)
26             int2 = atoi(token.c_str());
27         step++;
28     }
29     node result;
30     result.a = int1;
31     result.b = int2;
32     return result;
33 }
34 int check(int target)
35 {
36     for (auto i = now1.begin(); i != now1.end(); i++)
37     {
38         if (*i < target)
39         {
40             string t = to_string(*i) + "," + to_string(target);
41             if (ttmap[t] == 1)
42                 ttmap.erase(t);
43             else if (ttmap[t] == 0)
44                 return 2;
45             else return 0;
46         }
47     }
48 }
```

```

46     }
47     else
48     {
49         string t = to_string(target) + "," + to_string(*i);
50         if (ttmap[t] == 1)
51             ttmap.erase(t);
52         else if (ttmap[t] == 0)
53             return 2;
54         else return 0;
55     }
56 }
57 return 0;
58 }
59 int main()
60 {
61     int judge = 0;
62     int n, m;
63     int p, q;
64     int flag[100010] = { 0 };
65     flag[1] = 1;
66     cin >> n >> m;
67     for (int i = 1; i <= m; i++)
68     {
69         cin >> p >> q;
70         if (p == q)
71         {
72             cout << "NO";
73             return 0;
74         }
75         if (p < q)
76         {
77             string s = to_string(p) + "," + to_string(q);
78             ttmap[s] = 1;
79         }
80         else
81         {
82             string s = to_string(q) + "," + to_string(p);
83             ttmap[s] = 1;
84         }
85     }
86     int step = 1;
87     now1.push_back(1);
88     while (1)
89     {
90         int f = 0;
91         int u = 0;
92         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
93         {
94             for (unordered_map<string, bool>::iterator j = ttmap.begin(); j
95             != ttmap.end(); j++)
96             {
97                 node z = ex(j->first);
98                 if (z.a == *i && flag[z.b] == 0)
99                 {
100                     next1.push_back(z.b);
101                     flag[z.b] = step + 1;

```

```

101         f = 1;
102     }
103     if (z.b == *i && flag[z.a] == 0)
104     {
105         next1.push_back(z.a);
106         flag[z.a] = step + 1;
107         f = 1;
108     }
109 }
110 }
111 for (auto i = next1.begin(); i != next1.end(); i++)
112     u = check(*i);
113 if (u == 2)
114 {
115     judge = 1;
116     break;
117 }
118 if (f == 0)
119     break;
120 now1.swap(next1);
121 next1.clear();
122 step++;
123 }
124 if (judge == 0)
125 {
126     cout << "YES" << endl;
127     for (int i = 2; i <= n; i++)
128         cout << flag[i] << " ";
129 }
130 else
131     cout << "NO";
132 }

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :

- Test 12 - **Time Limit Exceeded** :
- Test 13 - **Time Limit Exceeded** :
- Test 14 - **Time Limit Exceeded** :
- Test 15 - **Time Limit Exceeded** :
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138265348

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 11:17:30	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> now1;
9 vector<int> next1;
10 unordered_map<string, bool> ttmap;
11 struct node
12 {
13     int a = 0;
14     int b = 0;
15 };
16 node ex(string p)
17 {
18     int int1 = 0, int2 = 0;
19     istringstream iss(p);
20     string token;
21     int step = 1;
22     while (getline(iss, token, ',')) {
23         if (step == 1)
24             int1 = atoi(token.c_str());
25         if (step == 2)
26             int2 = atoi(token.c_str());
27         step++;
28     }
29     node result;
30     result.a = int1;
31     result.b = int2;
32     return result;
33 }
34 int check(int target)
35 {
36     for (auto i = now1.begin(); i != now1.end(); i++)
37     {
38         if (*i < target)
39         {
40             string t = to_string(*i) + "," + to_string(target);
41             if (ttmap[t] == 1)
42                 ttmap.erase(t);
43             else if (ttmap[t] == 0)
44                 return 2;
45             else return 0;
46         }
47     }
48 }
```

```

46     }
47     else
48     {
49         string t = to_string(target) + "," + to_string(*i);
50         if (ttmap[t] == 1)
51             ttmap.erase(t);
52         else if (ttmap[t] == 0)
53             return 2;
54         else return 0;
55     }
56 }
57 return 0;
58 }
59 int main()
60 {
61     int judge = 0;
62     int n, m;
63     int p, q;
64     int flag[100010] = { 0 };
65     flag[1] = 1;
66     cin >> n >> m;
67     for (int i = 1; i <= m; i++)
68     {
69         cin >> p >> q;
70         if (p == q)
71         {
72             cout << "NO";
73             return 0;
74         }
75         if (p < q)
76         {
77             string s = to_string(p) + "," + to_string(q);
78             ttmap[s] = 1;
79         }
80         else
81         {
82             string s = to_string(q) + "," + to_string(p);
83             ttmap[s] = 1;
84         }
85     }
86     int step = 1;
87     now1.push_back(1);
88     while (1)
89     {
90         int f = 0;
91         int u = 0;
92         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
93         {
94             for (unordered_map<string, bool>::iterator j = ttmap.begin(); j
95             != ttmap.end(); j++)
96             {
97                 node z = ex(j->first);
98                 if (z.a == *i && flag[z.b] == 0)
99                 {
100                     next1.push_back(z.b);
101                     flag[z.b] = step + 1;

```

```

101             f = 1;
102         }
103         if (z.b == *i && flag[z.a] == 0)
104     {
105             next1.push_back(z.b);
106             flag[z.b] = step + 1;
107             f = 1;
108         }
109     }
110 }
111 for (auto i = next1.begin(); i != next1.end(); i++)
112     u = check(*i);
113 if (u == 2)
114 {
115     judge = 1;
116     break;
117 }
118 if (f == 0)
119     break;
120 now1.swap(next1);
121 vector<int> blank;
122 next1.swap(blank);
123 step++;
124 }
125 if (judge == 0)
126 {
127     cout << "YES" << endl;
128     for (int i = 2; i <= n; i++)
129         cout << flag[i] << " ";
130 }
131 else
132     cout << "NO";
133 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer The 3-th number is 2, but participant claims it is 3
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct

- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138264372

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 11:05:21	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> now1;
9 vector<int> next1;
10 unordered_map<string, bool> ttmap;
11 struct node
12 {
13     int a = 0;
14     int b = 0;
15 };
16 node ex(string p)
17 {
18     int int1 = 0, int2 = 0;
19     istringstream iss(p);
20     string token;
21     int step = 1;
22     while (getline(iss, token, ',')) {
23         if (step == 1)
24             int1 = atoi(token.c_str());
25         if (step == 2)
26             int2 = atoi(token.c_str());
27         step++;
28     }
29     node result;
30     result.a = int1;
31     result.b = int2;
32     return result;
33 }
34 int check(int target)
35 {
36     for (auto i = now1.begin(); i != now1.end(); i++)
37     {
38         if (*i < target)
39         {
40             string t = to_string(*i) + "," + to_string(target);
41             if (ttmap[t] == 1)
42                 ttmap.erase(t);
43             else if (ttmap[t] == 0)
44                 return 2;
45             else return 0;
46         }
47     }
48 }
```

```

46     }
47     else
48     {
49         string t = to_string(target) + "," + to_string(*i);
50         if (ttmap[t] == 1)
51             ttmap.erase(t);
52         else if (ttmap[t] == 0)
53             return 2;
54         else return 0;
55     }
56 }
57 return 0;
58 }
59 int main()
60 {
61     int judge = 0;
62     int n, m;
63     int p, q;
64     int flag[100010] = { 0 };
65     flag[1] = 1;
66     cin >> n >> m;
67     for (int i = 1; i <= m; i++)
68     {
69         cin >> p >> q;
70         if (p < q)
71         {
72             string s = to_string(p) + "," + to_string(q);
73             ttmap[s] = 1;
74         }
75         else
76         {
77             string s = to_string(q) + "," + to_string(p);
78             ttmap[s] = 1;
79         }
80     }
81     int step = 1;
82     now1.push_back(1);
83     while (1)
84     {
85         int f = 0;
86         int u = 0;
87         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
88         {
89             for (unordered_map<string, bool>::iterator j = ttmap.begin(); j
90             != ttmap.end(); j++)
91             {
92                 node z = ex(j->first);
93                 if (z.a == *i && flag[z.b] == 0)
94                 {
95                     next1.push_back(z.b);
96                     flag[z.b] = step + 1;
97                     f = 1;
98                 }
99                 if (z.b == *i && flag[z.a] == 0)
100                {
101                    next1.push_back(z.b);
102                }
103            }
104        }
105        now1 = next1;
106        next1.clear();
107        step++;
108    }
109 }

```

```

101                     flag[z.b] = step + 1;
102                     f = 1;
103                 }
104             }
105         }
106         for (auto i = next1.begin(); i != next1.end(); i++)
107             u = check(*i);
108         if (u == 2)
109         {
110             judge = 1;
111             break;
112         }
113         if (f == 0)
114             break;
115         now1.swap(next1);
116         next1.clear();
117         step++;
118     }
119     for (unordered_map<string, bool>::iterator j = ttmap.begin(); j != ttmap.end(); j++)
120         if (j->second == 1)
121         {
122             judge = 1;
123             break;
124         }
125     if (judge == 0)
126     {
127         cout << "YES" << endl;
128         for (int i = 2; i <= n; i++)
129             cout << flag[i] << " ";
130     }
131     else
132         cout << "NO";
133 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer The 3-th number is 2, but participant claims it is 3
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct

- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138261120

User	Time	Problem	Language	Verdict
bbbbber	2023/12/5 10:21:26	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> now1;
9 vector<int> next1;
10 map<string, bool> ttmap;
11 struct node
12 {
13     int a = 0;
14     int b = 0;
15 };
16 node ex(string p)
17 {
18     int int1 = 0, int2 = 0;
19     istringstream iss(p);
20     string token;
21     int step = 1;
22     while (getline(iss, token, ',')) {
23         if (step == 1)
24             int1 = atoi(token.c_str());
25         if (step == 2)
26             int2 = atoi(token.c_str());
27         step++;
28     }
29     node result;
30     result.a = int1;
31     result.b = int2;
32     return result;
33 }
34 int check(int target)
35 {
36     for (auto i = now1.begin(); i != now1.end(); i++)
37     {
38         if (*i < target)
39         {
40             string t = to_string(*i) + "," + to_string(target);
41             if (ttmap[t] == 1)
42                 ttmap.erase(t);
43             else if (ttmap[t] == 0)
44                 return 2;
45             else return 0;
46         }
47     }
48 }
```

```

46     }
47     else
48     {
49         string t = to_string(target) + "," + to_string(*i);
50         if (ttmap[t] == 1)
51             ttmap.erase(t);
52         else if (ttmap[t] == 0)
53             return 2;
54         else return 0;
55     }
56 }
57 return 0;
58 }
59 int main()
60 {
61     int judge = 0;
62     int n, m;
63     int p, q;
64     int flag[100010] = { 0 };
65     flag[1] = 1;
66     cin >> n >> m;
67     for (int i = 1; i <= m; i++)
68     {
69         cin >> p >> q;
70         if (p < q)
71         {
72             string s = to_string(p) + "," + to_string(q);
73             ttmap[s] = 1;
74         }
75         else
76         {
77             string s = to_string(q) + "," + to_string(p);
78             ttmap[s] = 1;
79         }
80     }
81     int step = 1;
82     now1.push_back(1);
83     while (1)
84     {
85         int f = 0;
86         int u = 0;
87         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
88         {
89             for (map<string, bool>::iterator j = ttmap.begin(); j != ttmap.end(); j++)
90             {
91                 node z = ex(j->first);
92                 if (z.a == *i && flag[z.b] == 0)
93                 {
94                     next1.push_back(z.b);
95                     flag[z.b] = step + 1;
96                     f = 1;
97                 }
98                 if (z.b == *i && flag[z.a] == 0)
99                 {
100                     next1.push_back(z.b);
101                 }
102             }
103         }
104         if (f == 0)
105             break;
106         now1 = next1;
107         next1.clear();
108         step++;
109     }
110 }
```

```

101             flag[z.b] = step + 1;
102             f = 1;
103         }
104     }
105     for (auto i = next1.begin(); i != next1.end(); i++)
106         u = check(*i);
107     if (u == 2)
108     {
109         judge = 1;
110         break;
111     }
112     if (f == 0)
113         break;
114     now1.swap(next1);
115     next1.clear();
116     step++;
117 }
118 if (ttmap.size() != 0)
119     judge = 1;
120 if (judge == 0)
121 {
122     cout << "YES" << endl;
123     for (int i = 2; i <= n; i++)
124         cout << flag[i] << " ";
125 }
126 else
127     cout << "NO";
128 }
129 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138245450

User	Time	Problem	Language	Verdict
asdf46	2023/12/4 22:59:44	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 vector<int>vec[100002];
5 int main(){
6     int n,m,a,b,num=1,nowplace,cent=1,d,e,check;
7     cin>>n>>m;
8     int k[100002]={0,1},t[100002]={0};
9     vec[0].push_back(1);
10    while(m--){
11        cin>>a>>b;
12        vec[a].push_back(b);
13        vec[b].push_back(a);
14    }
15    b=0;a=100001;
16    while(cent++){
17        if(num==n) break;
18        vec[a].clear();
19 //cout<<"t"<<b<<cent<<endl;
20 //        m=vec[b][0];//标准
21 //        if(k[m]<) {
22 //            d=a,a=b,b=d;
23 //            continue;
24 //        }
25        for(int j=0;j<vec[m].size();j++){//存下一层
26            d=vec[m][j];
27 //cout<<m<<"hi"<<d<<cent<<endl;
28            if(k[d]) continue;
29            k[d]=cent;num++;
30            vec[a].push_back(d);
31        }
32 //cout<<"g"<<vec[a][0]<<vec[a][1];
33        for(int j=1;j<vec[b].size();j++){//检查这一层
34            e=vec[b][j];
35            if(vec[m].size()!=vec[e].size()) {cout<<"NO";return 0;}
36            for(int i=0;i<=vec[m].size();i++){
37                d=vec[m][i];check=0;
38                for(int l=0;l<=vec[m].size();l++){
39                    if(d==vec[e][l]){
40                        check=1;break;
41                    }
42                    if(check==0) {cout<<"NO";return 0;}
43                }
44            }
45            d=a,a=b,b=d;
```

```
46     }
47     cout<<"YES"<<endl;
48     for(int j=2;j<=n;j++) cout<<k[j]<<" ";
49
50 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138219365

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:43:15	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int n, m;
6     cin >> n >> m;
7
8     int** graph = new int*[n + 1];
9     int* edgeCounts = new int[n + 1]();
10
11    // 读取边信息，同时计算边数并填充邻接表
12    for (int i = 1; i <= n; ++i) {
13        graph[i] = new int[n + 1]; // 为每个顶点分配空间
14    }
15
16    for (int i = 0; i < m; ++i) {
17        int u, v;
18        cin >> u >> v;
19        graph[u][edgeCounts[u]++] = v;
20        graph[v][edgeCounts[v]++] = u;
21    }
22
23    int* levels = new int[n + 1]();
24    bool* visited = new bool[n + 1]();
25    int* queue = new int[n + 1];
26    int front = 0, rear = 0;
27
28    // 初始化
29    levels[1] = 1;
30    visited[1] = true;
31    queue[rear++] = 1;
32
33    // BFS
34    while (front != rear) {
35        int current = queue[front++];
36        for (int i = 0; i < edgeCounts[current]; ++i) {
37            int adj = graph[current][i];
38            if (!visited[adj]) {
39                visited[adj] = true;
40                levels[adj] = levels[current] + 1;
41                queue[rear++] = adj;
42            }
43        }
44    }
45}
```

```

46     // 检查所有顶点是否已访问
47     bool solutionFound = true;
48     for (int i = 2; i <= n; ++i) {
49         if (!visited[i]) {
50             solutionFound = false;
51             break;
52         }
53     }
54
55     // 输出结果
56     if (solutionFound) {
57         cout<<"YES"<<endl;
58         for (int i = 2; i <= n; ++i) {
59             cout << levels[i] << " ";
60         }
61         cout << endl;
62     } else {
63         cout << "NO" << endl;
64     }
65
66     // 清理内存
67     for (int i = 1; i <= n; ++i) {
68         delete[] graph[i];
69     }
70     delete[] graph;
71     delete[] edgeCounts;
72     delete[] levels;
73     delete[] visited;
74     delete[] queue;
75
76     return 0;
77 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Memory Limit Exceeded](#) :

- Test 11 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
- Test 12 - **Memory Limit Exceeded** :
- Test 13 - **Accepted** : ok OK, participant's solution is correct
- Test 14 - **Accepted** : ok OK, participant's solution is correct
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138217588

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:36:14	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int n, m;
6     cin >> n >> m;
7
8     int** graph = new int*[n + 1];
9     int* edgeCounts = new int[n + 1]();
10    for (int i = 0; i < m; ++i) {
11        int u, v;
12        cin >> u >> v;
13        edgeCounts[u]++;
14        edgeCounts[v]++;
15    }
16
17    for (int i = 1; i <= n; ++i) {
18        graph[i] = new int[edgeCounts[i]]; // 分配与边数相匹配的内存
19    }
20
21    // 重置边计数器，用于构建邻接表
22    fill(edgeCounts, edgeCounts + n + 1, 0);
23
24    // 填充邻接表
25    for (int i = 0; i < m; ++i) {
26        int u, v;
27        cin >> u >> v;
28        graph[u][edgeCounts[u]++] = v;
29        graph[v][edgeCounts[v]++] = u;
30    }
31
32    int* levels = new int[n + 1]();
33    levels[1] = 1; // 1号顶点的级别设为1
34
35    bool* visited = new bool[n + 1]();
36    visited[1] = true;
37
38    // BFS
39    int* queue = new int[n + 1];
40    int front = 0, rear = 0;
41    queue[rear++] = 1; // 将1号顶点加入队列
42
43    while (front != rear) {
44        int current = queue[front++];
45        for (int i = 0; i < edgeCounts[current]; ++i) {
```

```

46         int next = graph[current][i];
47         if (!visited[next]) {
48             visited[next] = true;
49             levels[next] = levels[current] + 1;
50             queue[rear++] = next;
51         }
52     }
53 }
54
55 bool solutionFound = true;
56 for (int i = 2; i <= n; ++i) {
57     if (!visited[i]) { // 如果有顶点未被访问
58         solutionFound = false;
59         break;
60     }
61 }
62
63 if (solutionFound) {
64     cout<<"YES"<<endl;
65     for (int i = 2; i <= n; ++i) {
66         cout << levels[i] << " ";
67     }
68     cout << endl;
69 } else {
70     cout << "NO" << endl;
71 }
72
73 // 清理内存
74 for (int i = 1; i <= n; ++i) {
75     delete[] graph[i];
76 }
77 delete[] graph;
78 delete[] edgeCounts;
79 delete[] levels;
80 delete[] visited;
81 delete[] queue;
82
83 return 0;
84 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Runtime Error :
 - Test 5 - Runtime Error :
 - Test 6 - Runtime Error :
 - Test 7 - Runtime Error :

- Test 8 - [Runtime Error](#) :
- Test 9 - [Runtime Error](#) :
- Test 10 - [Runtime Error](#) :
- Test 11 - [Runtime Error](#) :
- Test 12 - [Runtime Error](#) :
- Test 13 - [Runtime Error](#) :
- Test 14 - [Runtime Error](#) :
- Test 15 - [Runtime Error](#) :
- Test 16 - [Runtime Error](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :

Submission 138217059

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:34:20	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n, m;
6     cin >> n >> m;
7     int** k = new int* [n + 1];
8     int* edgeCounts = new int[n + 1];
9     for (int i = 1; i <= n; ++i)
10    {
11        k[i] = new int[n + 1]; // 为每个顶点分配空间
12    }
13    for (int i = 0; i < m; ++i)
14    {
15        int u, v;
16        cin >> u >> v;
17        k[u][edgeCounts[u]++] = v;
18        k[v][edgeCounts[v]++] = u;
19    }
20    int* a = new int[n + 1];
21    a[1] = 1; // 将1号顶点设为第1级
22    for (int level = 2; level <n; level++)
23    {
24        for (int i = 1; i <n; i++)
25        {
26            if (a[i] == level - 1)
27            {
28                for (int j = 0; j <=edgeCounts[i]; j++)
29                {
30                    int adj = k[i][j];
31                    if (a[adj] == 0)
32                    {
33                        a[adj] = level;
34                    }
35                }
36            }
37        }
38    }
39    bool solutionFound = true;
40    for (int i = 2; i <= n; ++i)
41    {
42        if (a[i] == 0)
43        { // 如果有顶点未被分级
44            solutionFound = false;
45            break;
46        }
47    }
48 }
```

```

46     }
47     }
48     if (solutionFound)
49     {
50         cout << "YES" << endl;
51         for (int i = 2; i <= n; ++i) {
52             cout << a[i] << " ";
53         }
54         cout << endl;
55     }
56     else
57     {
58         cout << "NO" << endl;
59     }
60     for (int i = 1; i <= n; ++i)
61     {
62         delete[] k[i];
63     }
64     delete[] k;
65     delete[] edgeCounts;
66     delete[] a;
67     return 0;
68 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138216658

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:32:55	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n, m;
6     cin >> n >> m;
7     int** k = new int* [n + 1];
8     int* edgeCounts = new int[n + 1];
9     for (int i = 1; i <= n; ++i)
10    {
11        k[i] = new int[n + 1]; // 为每个顶点分配空间
12    }
13    for (int i = 0; i < m; ++i)
14    {
15        int u, v;
16        cin >> u >> v;
17        k[u][edgeCounts[u]++] = v;
18        k[v][edgeCounts[v]++] = u;
19    }
20    int* a = new int[n + 1];
21    a[1] = 1; // 将1号顶点设为第1级
22    for (int level = 2; level <n; level++)
23    {
24        for (int i = 1; i <n; i++)
25        {
26            if (a[i] == level - 1)
27            {
28                for (int j = 0; j < edgeCounts[i]-1; j++)
29                {
30                    int adj = k[i][j];
31                    if (a[adj] == 0)
32                    {
33                        a[adj] = level;
34                    }
35                }
36            }
37        }
38    }
39    bool solutionFound = true;
40    for (int i = 2; i <= n; ++i)
41    {
42        if (a[i] == 0)
43        { // 如果有顶点未被分级
44            solutionFound = false;
45            break;
46        }
47    }
48 }
```

```

46     }
47     }
48     if (solutionFound)
49     {
50         cout << "YES" << endl;
51         for (int i = 2; i <= n; ++i) {
52             cout << a[i] << " ";
53         }
54         cout << endl;
55     }
56     else
57     {
58         cout << "NO" << endl;
59     }
60     for (int i = 1; i <= n; ++i)
61     {
62         delete[] k[i];
63     }
64     delete[] k;
65     delete[] edgeCounts;
66     delete[] a;
67     return 0;
68 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 18 - [Wrong Answer](#) : wrong answer The 1-th number is 2, but participant claims it is 4
- Test 19 - [Wrong Answer](#) : wrong answer The 15-th number is 2, but participant claims it is 4

Submission 138216492

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:32:14	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n, m;
6     cin >> n >> m;
7     int** k = new int* [n + 1];
8     int* edgeCounts = new int[n + 1];
9     for (int i = 1; i <= n; ++i)
10    {
11        k[i] = new int[n + 1]; // 为每个顶点分配空间
12    }
13    for (int i = 0; i < m; ++i)
14    {
15        int u, v;
16        cin >> u >> v;
17        k[u][edgeCounts[u]++] = v;
18        k[v][edgeCounts[v]++] = u;
19    }
20    int* a = new int[n + 1];
21    a[1] = 1; // 将1号顶点设为第1级
22    for (int level = 2; level <n; level++)
23    {
24        for (int i = 1; i <n; i++)
25        {
26            if (a[i] == level - 1)
27            {
28                for (int j = 0; j < edgeCounts[i]; j++)
29                {
30                    int adj = k[i][j];
31                    if (a[adj] == 0)
32                    {
33                        a[adj] = level;
34                    }
35                }
36            }
37        }
38    }
39    bool solutionFound = true;
40    for (int i = 2; i <= n; ++i)
41    {
42        if (a[i] == 0)
43        { // 如果有顶点未被分级
44            solutionFound = false;
45            break;
46        }
47    }
48 }
```

```

46     }
47     }
48     if (solutionFound)
49     {
50         cout << "YES" << endl;
51         for (int i = 2; i <= n; ++i) {
52             cout << a[i] << " ";
53         }
54         cout << endl;
55     }
56     else
57     {
58         cout << "NO" << endl;
59     }
60     for (int i = 1; i <= n; ++i)
61     {
62         delete[] k[i];
63     }
64     delete[] k;
65     delete[] edgeCounts;
66     delete[] a;
67     return 0;
68 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138215208

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:27:35	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int n, m;
6     cin >> n >> m;
7
8     int** k = new int* [n + 1];
9     int* edgeCounts = new int[n + 1]();
10
11    for (int i = 1; i <= n; ++i) {
12        k[i] = new int[n + 1]; // 为每个顶点分配空间
13    }
14
15    for (int i = 0; i < m; ++i) {
16        int u, v;
17        cin >> u >> v;
18        k[u][edgeCounts[u]++] = v;
19        k[v][edgeCounts[v]++] = u;
20    }
21
22    int* a = new int[n + 1]();
23    a[1] = 1; // 将1号顶点设为第1级
24
25    for (int level = 2; level <= n; ++level) {
26        for (int i = 1; i <= n; ++i) {
27            if (a[i] == level - 1) {
28                for (int j = 0; j < edgeCounts[i]; ++j) {
29                    int adj = k[i][j];
30                    if (a[adj] == 0) {
31                        a[adj] = level;
32                    }
33                }
34            }
35        }
36    }
37
38    bool solutionFound = true;
39    for (int i = 2; i <= n; ++i) {
40        if (a[i] == 0) { // 如果有顶点未被分级
41            solutionFound = false;
42            break;
43        }
44    }
45}
```

```

46     if (solutionFound) {
47         cout << "YES" << endl;
48         for (int i = 2; i <= n; ++i) {
49             cout << a[i] << " ";
50         }
51         cout << endl;
52     }
53     else {
54         cout << "NO" << endl;
55     }
56
57     // 清理内存
58     for (int i = 1; i <= n; ++i) {
59         delete[] k[i];
60     }
61     delete[] k;
62     delete[] edgeCounts;
63     delete[] a;
64
65     return 0;
66 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct

- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138212030

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:16:04	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int n, m;
6     cin >> n >> m;
7
8     int** k = new int*[n + 1];
9     int* edgeCounts = new int[n + 1]();
10
11    for (int i = 1; i <= n; ++i) {
12        k[i] = new int[n + 1]; // 为每个顶点分配空间
13    }
14
15    for (int i = 0; i < m; ++i) {
16        int u, v;
17        cin >> u >> v;
18        k[u][edgeCounts[u]++] = v;
19        k[v][edgeCounts[v]++] = u;
20    }
21
22    int* a = new int[n + 1]();
23    a[1] = 1; // 将1号顶点设为第1级
24
25    for (int level = 2; level <= n; ++level) {
26        for (int i = 1; i <= n; ++i) {
27            if (a[i] == level - 1) {
28                for (int j = 0; j < edgeCounts[i]; ++j) {
29                    int adj = k[i][j];
30                    if (a[adj] == 0) {
31                        a[adj] = level;
32                    }
33                }
34            }
35        }
36    }
37
38    bool solutionFound = true;
39    for (int i = 2; i <= n; ++i) {
40        if (a[i] == 0) { // 如果有顶点未被分级
41            solutionFound = false;
42            break;
43        }
44    }
45}
```

```

46     if (solutionFound) {
47         for (int i = 2; i <= n; ++i) {
48             cout<<"YES"<<endl;
49             cout << a[i] << " ";
50         }
51         cout << endl;
52     } else {
53         cout << "NO" << endl;
54     }
55
56     // 清理内存
57     for (int i = 1; i <= n; ++i) {
58         delete[] k[i];
59     }
60     delete[] k;
61     delete[] edgeCounts;
62     delete[] a;
63
64     return 0;
65 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 1 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 14 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 15 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 16 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 17 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 18 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found

- Test 19 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found

Submission 138211473

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:14:19	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int n, m;
5     cin >> n >> m;
6     int** k = new int* [n + 1];
7     int* edgeCounts = new int[n + 1]();
8     for (int i = 1; i <= n; ++i)
9     {
10         k[i] = new int[n + 1]; // 为每个顶点分配空间
11     }
12     for (int i = 0; i < m; ++i)
13     {
14         int u, v;
15         cin >> u >> v;
16         k[u][edgeCounts[u]++] = v;
17         k[v][edgeCounts[v]++] = u;
18     }
19     int* a = new int[n + 1]();
20     a[1] = 1; // 将1号顶点设为第1级
21     for (int level = 2; level <= n; ++level)
22     {
23         for (int i = 1; i <= n; ++i)
24         {
25             if (a[i] == level - 1)
26             {
27                 for (int j = 0; j < edgeCounts[i]; ++j)
28                 {
29                     int adj = k[i][j];
30                     if (a[adj] == 0)
31                     {
32                         a[adj] = level;
33                     }
34                 }
35             }
36         }
37     }
38     for (int i = 2; i <= n; ++i)
39     {
40         cout << "YES" << endl;
41         cout << a[i] << " ";
42     }
43     cout << endl;
44     return 0;
45 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 1 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 2 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 14 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 15 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 16 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 17 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 18 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found
 - Test 19 - [Wrong Answer](#) : wrong output format Expected integer, but "YES" found

Submission 138211006

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:12:44	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int n, m;
5     cin >> n >> m;
6     int** k = new int* [n + 1];
7     int* edgeCounts = new int[n + 1]();
8     for (int i = 1; i <= n; ++i)
9     {
10         k[i] = new int[n + 1]; // 为每个顶点分配空间
11     }
12     for (int i = 0; i < m; ++i)
13     {
14         int u, v;
15         cin >> u >> v;
16         k[u][edgeCounts[u]++] = v;
17         k[v][edgeCounts[v]++] = u;
18     }
19     int* a = new int[n + 1]();
20     a[1] = 1; // 将1号顶点设为第1级
21     for (int level = 2; level <= n; ++level)
22     {
23         for (int i = 1; i <= n; ++i)
24         {
25             if (a[i] == level - 1)
26             {
27                 for (int j = 0; j < edgeCounts[i]; ++j)
28                 {
29                     int adj = k[i][j];
30                     if (a[adj] == 0)
31                     {
32                         a[adj] = level;
33                     }
34                 }
35             }
36         }
37     }
38     for (int i = 2; i <= n; ++i)
39     {
40         cout << a[i] << " ";
41     }
42     cout << endl;
43     return 0;
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 1 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 2 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 3 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 4 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "290", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "1256", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "22522", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "7279", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "18467", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 14 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "435", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 15 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "399", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 16 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "277", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 17 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "93", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 18 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 19 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "4", doesn't correspond to pattern "[a-zA-Z]+"

Submission 138210852

User	Time	Problem	Language	Verdict
wnby	2023/12/4 20:12:14	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int n, m;
5     cin >> n >> m;
6     int** k = new int* [n + 1];
7     int* edgeCounts = new int[n + 1]();
8     for (int i = 1; i <= n; ++i)
9     {
10         k[i] = new int[n + 1]; // 为每个顶点分配空间
11     }
12     for (int i = 0; i < m; ++i)
13     {
14         int u, v;
15         cin >> u >> v;
16         k[u][edgeCounts[u]++] = v;
17         k[v][edgeCounts[v]++] = u;
18     }
19     int* a = new int[n + 1]();
20     a[1] = 1; // 将1号顶点设为第1级
21     for (int level = 2; level <= n; ++level)
22     {
23         for (int i = 1; i <= n; ++i)
24         {
25             if (a[i] == level - 1)
26             {
27                 for (int j = 0; j < edgeCounts[i]; ++j)
28                 {
29                     int adj = k[i][j];
30                     if (a[adj] == 0)
31                     {
32                         a[adj] = level;
33                     }
34                 }
35             }
36         }
37     }
38     for (int i = 2; i <= n; ++i)
39     {
40         cout << a[i] << " ";
41     }
42     cout << endl;
43     return 0;
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 1 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 2 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 3 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 4 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "290", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 5 - [Memory Limit Exceeded](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "1256", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 7 - [Memory Limit Exceeded](#) :
 - Test 8 - [Memory Limit Exceeded](#) :
 - Test 9 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "22522", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 10 - [Memory Limit Exceeded](#) :
 - Test 11 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "7279", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 12 - [Memory Limit Exceeded](#) :
 - Test 13 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "18467", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 14 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "435", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 15 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "399", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 16 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "277", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 17 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "93", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 18 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 19 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "4", doesn't correspond to pattern "[a-zA-Z]+"

Submission 138206461

User	Time	Problem	Language	Verdict
wnby	2023/12/4 19:56:45	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int n, m;
6     cin >> n; cin >> m;
7     int* p = new int[n+1];
8     int** k = new int* [n + 1];
9     for (int i = 0; i < n; i++)
10    {
11        k[i] = new int[n];
12    }
13    int temp = 0;
14    int a[100000] = { 0 };
15    for (int i = 0; i < m; i++)
16    {
17        int u, v = 0;
18        cin >> u; cin >> v;
19        k[u][temp++] = v;
20        k[v][temp++] = u;
21    }
22    for (int i = 1; i < n; i++)
23    {
24        for (int q = 2; q < n; q++)
25        {
26            if (a[q - 1] == 0 && k[i][q] != 0)
27            {
28                a[q - 1] = i + 1;
29            }
30        }
31    }
32    for (int i = 1; i < n; i++)
33    {
34        cout << a[i] << " ";
35    }
36    return 0;
37 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Runtime Error :
 - Test 1 - Runtime Error :

- Test 2 - [Runtime Error](#) :
- Test 3 - [Runtime Error](#) :
- Test 4 - [Runtime Error](#) :
- Test 5 - [Memory Limit Exceeded](#) :
- Test 6 - [Runtime Error](#) :
- Test 7 - [Memory Limit Exceeded](#) :
- Test 8 - [Memory Limit Exceeded](#) :
- Test 9 - [Memory Limit Exceeded](#) :
- Test 10 - [Memory Limit Exceeded](#) :
- Test 11 - [Memory Limit Exceeded](#) :
- Test 12 - [Memory Limit Exceeded](#) :
- Test 13 - [Runtime Error](#) :
- Test 14 - [Runtime Error](#) :
- Test 15 - [Runtime Error](#) :
- Test 16 - [Runtime Error](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :

Submission 138188326

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 18:23:40	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int a[100005] = { 0 };
6 int main()
7 {
8     int n, m;
9     cin >> n >> m;
10    v[1] = 1;
11    for (int i = 1; i <= m; i++)
12    {
13        int a, b;
14        cin >> a >> b;
15        if ((v[a] != 0) && v[b] == 0)
16        {
17            v[b] = v[a] + 1;
18        }
19        else if ((v[b] != 0) && v[a] == 0)
20        {
21            v[a] = v[b] + 1;
22        }
23    }
24    int m_number = 0;
25    for (int i = 1; i <= n; i++)
26    {
27        a[v[i]]++;
28    }
29    for (int i = 2; i <= n; i++)
30    {
31        m_number += a[i-1]*a[i];
32    }
33    if (m != m_number)
34    {
35        cout << "NO" << endl;
36        return 0;
37    }
38    cout << "YES" << endl;
39    for (int i = 2; i <= n; i++)
40    {
41        cout << v[i] << ' ';
42    }
43 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138187626

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 18:18:31	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <set>
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10    vector<vector<int>> graph(n);
11    vector<int> magatama(n, -1);
12    vector<set<int>> level_nodes(n); //用来判断magatama为n的时候是否连接上所有n+1的
点
13
14    for (int i = 0; i < m; ++i) {
15        int u, v;
16        cin >> u >> v;
17        u--; v--;
18        graph[u].push_back(v);
19        graph[v].push_back(u);
20    }
21    //经典BFS，一个深度magatama+1
22    queue<int> q;
23    magatama[0] = 1;
24    level_nodes[0].insert(0);
25    q.push(0);
26    while (!q.empty()) {
27        int node = q.front();
28        q.pop();
29        for (int neighbor : graph[node])
30        {
31            if (magatama[neighbor] == -1)
32            {
33                magatama[neighbor] = magatama[node] + 1;
34                level_nodes[magatama[neighbor]-1].insert(neighbor);
35                q.push(neighbor);
36            }
37        }
38    }
39    //判断是否每个n的结点都连上了n+1的结点
40    bool valid = true;
41    for (int level = 0; level < n - 1; ++level)
42    {
43        for (int node : level_nodes[level])
44        {
```

```

45         set<int> next_level_nodes(level_nodes[level + 1].begin(),
46                                   level_nodes[level + 1].end());
47         for (int neighbor : graph[node]) {
48             if(magatama[node]==magatama[neighbor])//如果两个点的magatama相
49             同，那么这两个点之间的边是不合法的
50             {
51                 valid = false;
52                 break;
53             }
54             next_level_nodes.erase(neighbor);
55         }
56         if (!next_level_nodes.empty()) {
57             valid = false;
58             break;
59         }
60     }
61
62     if (valid) {
63         printf("YES\n");
64         for (int i = 1; i < n; ++i) {
65             printf("%d ", magatama[i]);
66         }
67         printf("\n");
68     } else {
69         printf("NO\n");
70     }
71
72     return 0;
73 }
74

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct

- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138187588

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 18:18:12	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int a[100005] = { 0 };
6 int main()
7 {
8     int n, m;
9     cin >> n >> m;
10    v[1] = 1;
11    for (int i = 1; i <= m; i++)
12    {
13        int a, b;
14        cin >> a >> b;
15        if ((v[a] != 0) && v[b] == 0)
16        {
17            v[b] = v[a] + 1;
18        }
19        else if ((v[b] != 0) && v[a] == 0)
20        {
21            v[a] = v[b] + 1;
22        }
23        else if (v[a] * v[b] != 0)
24        {
25            if (abs(v[a] - v[b]) != 1)
26            {
27                cout << "NO" << endl;
28                return 0;
29            }
30        }
31    }
32    int m_number = 0;
33    for (int i = 1; i <= n; i++)
34    {
35        a[v[i]]++;
36    }
37    for (int i = 2; i <= n; i++)
38    {
39        m_number += a[i-1]*a[i];
40    }
41    if (m != m_number)
42    {
43        cout << "NO" << endl;
44        return 0;
45    }
46}
```

```
45     }
46     cout << "YES" << endl;
47     for (int i = 2; i <= n; i++)
48     {
49         cout << v[i] << ' ';
50     }
51 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138186631

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 18:10:48	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int main()
6 {
7     int n, m;
8     cin >> n >> m;
9     v[1] = 1;
10    for (int i = 1; i <= m; i++)
11    {
12        int a, b;
13        cin >> a >> b;
14        if ((v[a] != 0) && v[b] == 0)
15        {
16            v[b] = v[a] + 1;
17        }
18        else if ((v[b] != 0) && v[a] == 0)
19        {
20            v[a] = v[b] + 1;
21        }
22        else if (v[a] * v[b] != 0)
23        {
24            if (abs(v[a] - v[b]) != 1)
25            {
26                cout << "NO" << endl;
27                return 0;
28            }
29        }
30    }
31    int m_number = 0;
32    for (int i = 2; i <= n; i++)
33    {
34        m_number += v[i] - 1;
35    }
36    if (m != m_number)
37    {
38        cout << "NO" << endl;
39        return 0;
40    }
41    cout << "YES" << endl;
42    for (int i = 2; i <= n; i++)
43    {
44        cout << v[i] << ' ';
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138186561

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 18:10:10	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int main()
6 {
7     int n, m;
8     cin >> n >> m;
9     v[1] = 1;
10    for (int i = 1; i <= m; i++)
11    {
12        int a, b;
13        cin >> a >> b;
14        if ((v[a] != 0) && v[b] == 0)
15        {
16            v[b] = v[a] + 1;
17        }
18        else if ((v[b] != 0) && v[a] == 0)
19        {
20            v[a] = v[b] + 1;
21        }
22        else if (v[a] * v[b] != 0)
23        {
24            if (abs(v[a] - v[b]) != 1)
25            {
26                cout << "NO" << endl;
27                return 0;
28            }
29        }
30    }
31    int m_number = 0;
32    for (int i = 2; i <= n; i++)
33    {
34        m_number += v[i] - 1;
35    }
36    if (m != m_number)
37    {
38        cout << "NO" << endl;
39        return 0;
40    }
41    cout << "YES";
42    for (int i = 2; i <= n; i++)
43    {
44        cout << v[i] << ' ';
```

45 }
46 }

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "YES2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 1 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Wrong Answer](#) : wrong answer Token parameter [name=yesno] equals to "YES2", doesn't correspond to pattern "[a-zA-Z]+"
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138186104

User	Time	Problem	Language	Verdict
L1874493887	2023/12/4 18:05:20	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int v[100005] = { 0 };
5 int main()
6 {
7     int n, m;
8     cin >> n >> m;
9     v[1] = 1;
10    for (int i = 1; i <= m; i++)
11    {
12        int a, b;
13        cin >> a >> b;
14        if ((v[a] != 0) && v[b] == 0)
15        {
16            v[b] = v[a] + 1;
17        }
18        else if ((v[b] != 0) && v[a] == 0)
19        {
20            v[a] = v[b] + 1;
21        }
22        else if (v[a] * v[b] != 0)
23        {
24            if (abs(v[a] - v[b]) != 1)
25            {
26                cout << "NO" << endl;
27                return 0;
28            }
29        }
30    }
31    cout << "YES" << endl;
32    for (int i = 2; i <= n; i++)
33    {
34        cout << v[i] << ' ';
35    }
36 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct

- Test 2 - Accepted : ok OK, participant's solution is correct
- Test 3 - Accepted : ok OK, participant's solution is correct
- Test 4 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
- Test 5 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 71381]
- Test 6 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 4288]
- Test 7 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 100000]
- Test 8 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 80644]
- Test 9 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 40951]
- Test 10 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
- Test 11 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
- Test 12 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 78165]
- Test 13 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 52064]
- Test 14 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 7528]
- Test 16 - Wrong Answer : wrong answer Integer parameter [name=c] equals to 0, violates the range [2, 722]
- Test 17 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Wrong Answer : wrong answer Jury finds a solution, but participant doesn't

Submission 138186021

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 18:04:34	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string.h>
5 #include<stdio.h>
6 #include<sstream>
7 using namespace std;
8 vector<int> now1;
9 vector<int> next1;
10 map<string, bool> ttmap;
11 struct node
12 {
13     int a = 0;
14     int b = 0;
15 };
16 node ex(string p)
17 {
18     int int1 = 0, int2 = 0;
19     istringstream iss(p);
20     string token;
21     int step = 1;
22     while (getline(iss, token, ',')) {
23         if (step == 1)
24             int1 = atoi(token.c_str());
25         if (step == 2)
26             int2 = atoi(token.c_str());
27         step++;
28     }
29     node result;
30     result.a = int1;
31     result.b = int2;
32     return result;
33 }
34 int check(int target)
35 {
36     for (auto i = now1.begin(); i != now1.end(); i++)
37     {
38         if (*i < target)
39         {
40             string t = to_string(*i) + "," + to_string(target);
41             if (ttmap[t] == 1)
42                 ttmap.erase(t);
43             else if (ttmap[t] == 0)
44                 return 2;
45             else return 0;
46         }
47     }
48 }
```

```

46     }
47     else
48     {
49         string t = to_string(target) + "," + to_string(*i);
50         if (ttmap[t] == 1)
51             ttmap.erase(t);
52         else if (ttmap[t] == 0)
53             return 2;
54         else return 0;
55     }
56 }
57 return 0;
58 }
59 int main()
60 {
61     int judge = 0;
62     int n, m;
63     int p, q;
64     int flag[100010] = { 0 };
65     flag[1] = 1;
66     cin >> n >> m;
67     for (int i = 1; i <= m; i++)
68     {
69         cin >> p >> q;
70         if (p < q)
71         {
72             string s = to_string(p) + "," + to_string(q);
73             ttmap[s] = 1;
74         }
75         else
76         {
77             string s = to_string(q) + "," + to_string(p);
78             ttmap[s] = 1;
79         }
80     }
81     int step = 1;
82     now1.push_back(1);
83     while (1)
84     {
85         int f = 0;
86         int u = 0;
87         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
88         {
89             for (map<string, bool>::iterator j = ttmap.begin(); j != ttmap.end(); j++)
90             {
91                 node z = ex(j->first);
92                 if (z.a == *i && flag[z.b] == 0)
93                 {
94                     next1.push_back(z.b);
95                     flag[z.b] = step + 1;
96                     f = 1;
97                 }
98                 if (z.b == *i && flag[z.a] == 0)
99                 {
100                     next1.push_back(z.b);
101                 }
102             }
103         }
104         if (f == 0)
105             break;
106         now1 = next1;
107         next1.clear();
108         step++;
109     }
110 }
```

```

101                     flag[z.b] = step + 1;
102                     f = 1;
103                 }
104             }
105         }
106         for (auto i = next1.begin(); i != next1.end(); i++)
107             u = check(*i);
108         if (u == 2)
109         {
110             judge = 1;
111             break;
112         }
113         if (f == 0)
114             break;
115         now1.swap(next1);
116         next1.clear();
117         step++;
118     }
119     if (judge == 0)
120     {
121         cout << "YES" << endl;
122         for (int i = 2; i <= n; i++)
123             cout << flag[i] << " ";
124     }
125     else
126         cout << "NO";
127 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138183942

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 17:47:15	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod 998244353
5 using namespace std;
6
7 const int MAXN = 100005;
8 vector<int> adj[MAXN];
9 int magatama[MAXN];
10 bool visited[MAXN];
11 vector<int> num1(MAXN, 0);
12 vector<int> num2(MAXN, 0);
13
14 bool bfs(int n) {
15     queue<int> q;
16     q.push(1);
17     magatama[1] = 1;
18     visited[1] = true;
19
20     while (!q.empty()) {
21         int u = q.front();
22         q.pop();
23
24         for (int v : adj[u]) {
25             if (!visited[v]) {
26                 visited[v] = true;
27                 magatama[v] = magatama[u] + 1;
28                 q.push(v);
29             } else if (magatama[v] != magatama[u] + 1) {
30                 if (magatama[v] != magatama[u] - 1 &&
31                     magatama[v] != magatama[u] + 1) {
32                     return false;
33                 }
34             }
35         }
36     }
37
38     for (int i = 1; i <= n; i++) {
39         num1[magatama[i]]++;
40     }
41
42     for (int i = 1; i <= n; i++) {
43         for (auto j : adj[i]) {
44             if (magatama[j] == magatama[i] + 1) {
45                 num2[i]++;
46             }
47         }
48     }
49 }
```

```

46         }
47     }
48 }
49
50 for (int i = 1; i <= n; i++) {
51     if (num2[i] != num1[magatama[i] + 1]) {
52         return false;
53     }
54 }
55
56 for (int i = 1; i <= n; ++i) {
57     if (!visited[i]) {
58         return false; // 如果有未连接的部分
59     }
60 }
61
62 return true;
63}
64
65 int main() {
66     int n, m;
67     cin >> n >> m;
68
69     for (int i = 0; i < m; ++i) {
70         int u, v;
71         cin >> u >> v;
72         adj[u].push_back(v);
73         adj[v].push_back(u);
74     }
75
76     if (bfs(n)) {
77         cout << "YES\n";
78         for (int i = 2; i <= n; ++i) {
79             cout << magatama[i] << " ";
80         }
81         cout << "\n";
82     } else {
83         cout << "NO\n";
84     }
85
86     return 0;
87}
88

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct

- Test 5 - Accepted : ok OK, participant's solution is correct
- Test 6 - Accepted : ok OK, participant's solution is correct
- Test 7 - Accepted : ok OK, participant's solution is correct
- Test 8 - Accepted : ok OK, participant's solution is correct
- Test 9 - Accepted : ok OK, participant's solution is correct
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Accepted : ok OK, participant's solution is correct
- Test 12 - Accepted : ok OK, participant's solution is correct
- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138183091

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 17:40:50	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <set>
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10    vector<vector<int>> graph(n);
11    vector<int> magatama(n, -1);
12    vector<set<int>> level_nodes(n); //用来判断magatama为n的时候是否连接上所有n+1的
点
13
14    for (int i = 0; i < m; ++i) {
15        int u, v;
16        cin >> u >> v;
17        u--; v--;
18        graph[u].push_back(v);
19        graph[v].push_back(u);
20    }
21    //经典BFS，一个深度magatama+1
22    queue<int> q;
23    magatama[0] = 1;
24    level_nodes[0].insert(0);
25    q.push(0);
26    while (!q.empty()) {
27        int node = q.front();
28        q.pop();
29        for (int neighbor : graph[node])
30        {
31            if (magatama[neighbor] == -1)
32            {
33                magatama[neighbor] = magatama[node] + 1;
34                level_nodes[magatama[neighbor]-1].insert(neighbor);
35                q.push(neighbor);
36            }
37        }
38    }
39    //判断是否每个n的结点都连上了n+1的结点
40    bool valid = true;
41    for (int level = 0; level < n - 1; ++level)
42    {
43        for (int node : level_nodes[level])
44        {
```

```

45         set<int> next_level_nodes(level_nodes[level + 1].begin(),
46                                   level_nodes[level + 1].end());
47         for (int neighbor : graph[node])
48         {
49             next_level_nodes.erase(neighbor);
50         }
51         if (!next_level_nodes.empty())
52         {
53             valid = false;
54             break;
55         }
56     if (!valid) break;
57 }
58
59 if (valid) {
60     printf("YES\n");
61     for (int i = 1; i < n; ++i) {
62         printf("%d ", magatama[i]);
63     }
64     printf("\n");
65 } else {
66     printf("NO\n");
67 }
68
69 return 0;
70 }
71

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct

- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138182546

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 17:36:45	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<iostream>
3 #include<vector>
4 #include<map>
5 #include<string>
6 using namespace std;
7 vector<int> now1;
8 vector<int> next1;
9 map<string, bool> ttmap;
10 struct node
11 {
12     int a = 0;
13     int b = 0;
14 };
15 node ex(string p)
16 {
17     char* q = &p[0];
18     char* ptr = strtok(q, ",");
19     int int1 = strtol(ptr, &ptr, 10);
20     ptr = strtok(NULL, ",");
21     int int2 = strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now1.begin(); i != now1.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (ttmap[t] == 1)
35                 ttmap.erase(t);
36             else if (ttmap[t] == 0)
37                 return 2;
38             else return 0;
39         }
40     }
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (ttmap[t] == 1)
44             ttmap.erase(t);
45         else if (ttmap[t] == 0)
```

```

46         return 2;
47     else return 0;
48 }
49 }
50 return 0;
51 }
52 int main()
53 {
54     int judge = 0;
55     int n, m;
56     int p, q;
57     int flag[100010] = { 0 };
58     flag[1] = 1;
59     cin >> n >> m;
60     for (int i = 1; i <= m; i++)
61     {
62         cin >> p >> q;
63         if (p < q)
64         {
65             string s = to_string(p) + "," + to_string(q);
66             ttmap[s] = 1;
67         }
68         else
69         {
70             string s = to_string(q) + "," + to_string(p);
71             ttmap[s] = 1;
72         }
73     }
74     int step = 1;
75     now1.push_back(1);
76     while (1)
77     {
78         int f = 0;
79         int u = 0;
80         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
81         {
82             for (map<string, bool>::iterator j = ttmap.begin(); j != ttmap.end(); j++)
83             {
84                 node z = ex(j->first);
85                 if (z.a == *i && flag[z.b] == 0)
86                 {
87                     next1.push_back(z.b);
88                     flag[z.b] = step + 1;
89                     f = 1;
90                 }
91                 if (z.b == *i && flag[z.a] == 0)
92                 {
93                     next1.push_back(z.b);
94                     flag[z.b] = step + 1;
95                     f = 1;
96                 }
97             }
98         }
99         for (auto i = next1.begin(); i != next1.end(); i++)
100            u = check(*i);

```

```
101     if (u == 2)
102     {
103         judge = 1;
104         break;
105     }
106     if (f == 0)
107         break;
108     now1.swap(next1);
109     next1.clear();
110     step++;
111 }
112 if (judge == 0)
113 {
114     cout << "YES" << endl;
115     for (int i = 2; i <= n; i++)
116         cout << flag[i] << " ";
117 }
118 else
119     cout << "NO";
120 }
```

Test Detail

- Compile Error

```
1 /tmp/compiler_my45fehi/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_my45fehi/src:18:14: 错误: 'strtok' was not declared in this
   scope; did you mean 'strtoq'?
3     18 |     char* ptr = strtok(q, ",");
4     |             ^
5     |             strtok
6
```

Submission 138182154

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 17:34:09	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <set>
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10    vector<vector<int>> graph(n);
11    vector<int> magatama(n, -1);
12    vector<set<int>> level_nodes(n); //用来判断magatama为n的时候是否连接上所有n+1的
点
13
14    for (int i = 0; i < m; ++i) {
15        int u, v;
16        cin >> u >> v;
17        u--; v--;
18        graph[u].push_back(v);
19        graph[v].push_back(u);
20    }
21    //经典BFS，一个深度magatama+1
22    queue<int> q;
23    magatama[0] = 1;
24    level_nodes[0].insert(0);
25    q.push(0);
26    while (!q.empty()) {
27        int node = q.front();
28        q.pop();
29        for (int neighbor : graph[node])
30        {
31            if (magatama[neighbor] == -1)
32            {
33                magatama[neighbor] = magatama[node] + 1;
34                level_nodes[magatama[neighbor]-1].insert(neighbor);
35                q.push(neighbor);
36            }
37        }
38    }
39    //判断是否每个n的结点都连上了n+1的结点
40    bool valid = true;
41    for (int level = 0; level < n - 1; ++level)
42    {
43        for (int node : level_nodes[level])
44        {
```

```

45         set<int> next_level_nodes(level_nodes[level + 1].begin(),
46                                   level_nodes[level + 1].end());
47         for (int neighbor : graph[node])
48         {
49             next_level_nodes.erase(neighbor);
50         }
51         if (!next_level_nodes.empty())
52         {
53             valid = false;
54             break;
55         }
56     if (!valid) break;
57 }
58
59 if (valid) {
60     printf("YES\n");
61     for (int i = 1; i < n; ++i) {
62         printf("%d ", magatama[i]);
63     }
64     printf("\n");
65 } else {
66     printf("NO\n");
67 }
68
69 return 0;
70 }
71

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct

- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138181979

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 17:33:11	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <set>
5 #define LL long long
6 using namespace std;
7
8 int main() {
9     LL n, m;
10    cin >> n >> m;
11    vector<vector<LL>> graph(n);
12    vector<LL> magatama(n, -1);
13    vector<set<LL>> level_nodes(n); //用来判断magatama为n的时候是否连接上所有n+1的
点
14
15    for (LL i = 0; i < m; ++i) {
16        LL u, v;
17        cin >> u >> v;
18        u--; v--;
19        graph[u].push_back(v);
20        graph[v].push_back(u);
21    }
22    //经典BFS，一个深度magatama+1
23    queue<LL> q;
24    magatama[0] = 1;
25    level_nodes[0].insert(0);
26    q.push(0);
27    while (!q.empty()) {
28        LL node = q.front();
29        q.pop();
30        for (LL neighbor : graph[node])
31        {
32            if (magatama[neighbor] == -1)
33            {
34                magatama[neighbor] = magatama[node] + 1;
35                level_nodes[magatama[neighbor]-1].insert(neighbor);
36                q.push(neighbor);
37            }
38        }
39    }
40    //判断是否每个n的结点都连上了n+1的结点
41    bool valid = true;
42    for (LL level = 0; level < n - 1; ++level)
43    {
44        for (LL node : level_nodes[level])
```

```

45     {
46         set<LL> next_level_nodes(level_nodes[level + 1].begin(),
47                                   level_nodes[level + 1].end());
48         for (LL neighbor : graph[node])
49         {
50             next_level_nodes.erase(neighbor);
51         }
52         if (!next_level_nodes.empty())
53         {
54             valid = false;
55             break;
56         }
57     if (!valid) break;
58 }
59
60 if (valid) {
61     printf("YES\n");
62     for (LL i = 1; i < n; ++i) {
63         printf("%lld ", magatama[i]);
64     }
65     printf("\n");
66 } else {
67     printf("NO\n");
68 }
69
70 return 0;
71 }
72

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct

- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138181732

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 17:31:39	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string>
5 using namespace std;
6 vector<int> now1;
7 vector<int> next1;
8 map<string, bool> ttmap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context=NULL;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now1.begin(); i != now1.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (ttmap[t] == 1)
35                 ttmap.erase(t);
36             else if (ttmap[t] == 0)
37                 return 2;
38             else return 0;
39         }
40     }
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (ttmap[t] == 1)
44             ttmap.erase(t);
45         else if (ttmap[t] == 0)
```

```

46         return 2;
47     else return 0;
48 }
49 }
50 return 0;
51 }
52 int main()
53 {
54     int judge = 0;
55     int n, m;
56     int p, q;
57     int flag[100010] = { 0 };
58     flag[1] = 1;
59     cin >> n >> m;
60     for (int i = 1; i <= m; i++)
61     {
62         cin >> p >> q;
63         if (p < q)
64         {
65             string s = to_string(p) + "," + to_string(q);
66             ttmap[s] = 1;
67         }
68         else
69         {
70             string s = to_string(q) + "," + to_string(p);
71             ttmap[s] = 1;
72         }
73     }
74     int total = 1;
75     int step = 1;
76     now1.push_back(1);
77     while (1)
78     {
79         int f = 0;
80         int u = 0;
81         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
82         {
83             for (map<string, bool>::iterator j = ttmap.begin(); j != ttmap.end(); j++)
84             {
85                 node z = ex(j->first);
86                 if (z.a == *i && flag[z.b] == 0)
87                 {
88                     next1.push_back(z.b);
89                     flag[z.b] = step + 1;
90                     f = 1;
91                 }
92                 if (z.b == *i && flag[z.a] == 0)
93                 {
94                     next1.push_back(z.b);
95                     flag[z.b] = step + 1;
96                     f = 1;
97                 }
98             }
99         }
100        for (auto i = next1.begin(); i != next1.end(); i++)

```

```

101         u = check(*i);
102     if (u == 2)
103     {
104         judge = 1;
105         break;
106     }
107     if (f == 0)
108         break;
109     now1.swap(next1);
110     next1.clear();
111     step++;
112 }
113 if (judge == 0)
114 {
115     cout << "YES" << endl;
116     for (int i = 2; i <= n; i++)
117         cout << flag[i] << " ";
118 }
119 else
120     cout << "NO";
121 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_aidimkes/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_aidimkes/src:18:14: 错误: 'strtok_s' was not declared in this
   scope; did you mean 'strtof_l'?
3     18 |     char* ptr = strtok_s(q, ",",&context);
4     |           ^
5     |           strtok_l
6 /tmp/compiler_aidimkes/src: 在函数'int main()'中:
7 /tmp/compiler_aidimkes/src:74:6: 警告: unused variable 'total' [-Wunused-
variable]
8     74 |     int total = 1;
9     |           ^
10
```

Submission 138181368

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 17:29:37	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <set>
5 using namespace std;
6
7 int main() {
8     int n, m;
9     cin >> n >> m;
10    vector<vector<int>> graph(n);
11    vector<int> magatama(n, -1);
12    vector<set<int>> level_nodes(n); //用来判断magatama为n的时候是否连接上所有n+1的
点
13
14    for (int i = 0; i < m; ++i) {
15        int u, v;
16        cin >> u >> v;
17        u--; v--;
18        graph[u].push_back(v);
19        graph[v].push_back(u);
20    }
21    //经典BFS，一个深度magatama+1
22    queue<int> q;
23    magatama[0] = 1;
24    level_nodes[0].insert(0);
25    q.push(0);
26    while (!q.empty()) {
27        int node = q.front();
28        q.pop();
29        for (int neighbor : graph[node])
30        {
31            if (magatama[neighbor] == -1)
32            {
33                magatama[neighbor] = magatama[node] + 1;
34                level_nodes[magatama[neighbor]-1].insert(neighbor);
35                q.push(neighbor);
36            }
37        }
38    }
39    //判断是否每个n的结点都连上了n+1的结点
40    bool valid = true;
41    for (int level = 0; level < n - 1; ++level)
42    {
43        for (int node : level_nodes[level])
44        {
```

```

45         set<int> next_level_nodes(level_nodes[level + 1].begin(),
46                                   level_nodes[level + 1].end());
47         for (int neighbor : graph[node])
48         {
49             next_level_nodes.erase(neighbor);
50         }
51         if (!next_level_nodes.empty())
52         {
53             valid = false;
54             break;
55         }
56     if (!valid) break;
57 }
58
59 if (valid) {
60     printf("YES\n");
61     for (int i = 1; i < n; ++i) {
62         printf("%d ", magatama[i]);
63     }
64     printf("\n");
65 } else {
66     printf("NO\n");
67 }
68
69 return 0;
70 }
71

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct

- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138180813

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 17:26:22	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string>
5 using namespace std;
6 vector<int> now1;
7 vector<int> next1;
8 map<string, bool> ttmap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now1.begin(); i != now1.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (ttmap[t] == 1)
35                 ttmap.erase(t);
36             else if (ttmap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (ttmap[t] == 1)
44             ttmap.erase(t);
45         else if (ttmap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             ttmap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             ttmap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now1.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (vector<int>::iterator i = now1.begin(); i != now1.end(); i++)
79         {
80             for (map<string, bool>::iterator j = ttmap.begin(); j != ttmap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {

```

```

101         judge = 1;
102         break;
103     }
104     if (f == 0)
105         break;
106     now1.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_cxkhe6mf/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_cxkhe6mf/src:18:14: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtof_l'?
3   18 |   char* ptr = strtok_s(q, ",",&context);
4   |           ^
5   |           strtok_l
6 /tmp/compiler_cxkhe6mf/src: 在函数'int main()'中:
7 /tmp/compiler_cxkhe6mf/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_cxkhe6mf/src: 在函数'int check(int)'中:
11 /tmp/compiler_cxkhe6mf/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14
```

Submission 138179406

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 17:18:01	Puzzle in Inazuma	C++98	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string>
5 using namespace std;
6 vector<int> now1;
7 vector<int> next1;
8 map<string, bool> ttmap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",",&context);
19     int int1 = strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",",&context);
21     int int2 = strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now1.begin(); i != now1.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (ttmap[t] == 1)
35                 ttmap.erase(t);
36             else if (ttmap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (ttmap[t] == 1)
44             ttmap.erase(t);
45         else if (ttmap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             ttmap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             ttmap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now1.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now1.begin(); i != now1.end(); i++)
79         {
80             for (auto j = ttmap.begin(); j != ttmap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now1.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_vqqq7tjz/src:11:15: 警告: non-static data member initializers
only available with '-std=c++11' or '-std=gnu++11' [-Wc++11-extensions]
2     11 |         int a = 0;
3     |             ^
4 /tmp/compiler_vqqq7tjz/src:12:15: 警告: non-static data member initializers
only available with '-std=c++11' or '-std=gnu++11' [-Wc++11-extensions]
5     12 |         int b = 0;
6     |             ^
7 /tmp/compiler_vqqq7tjz/src: In function 'node ex(std::string)':
8 /tmp/compiler_vqqq7tjz/src:18:21: 错误: 'strtok_s'在此作用域中尚未声明
9     18 |         char* ptr = strtok_s(q, ",",&context);
10    |             ^~~~~~
11 /tmp/compiler_vqqq7tjz/src:19:20: 错误: 'strtol'在此作用域中尚未声明
12     19 |         int int1 = strtol(ptr, &ptr, 10);
13    |             ^~~~~~
14 /tmp/compiler_vqqq7tjz/src: In function 'int check(int)':
15 /tmp/compiler_vqqq7tjz/src:29:14: 警告: 'auto' changes meaning in C++11;
please remove it [-Wc++11-compat]
16     29 |         for (auto i = now1.begin(); i != now1.end(); i++)
17     |             ^~~~
18     |             ----
19 /tmp/compiler_vqqq7tjz/src:29:19: 错误: 'i'不是一个类型名
20     29 |         for (auto i = now1.begin(); i != now1.end(); i++)
21     |             ^
22 /tmp/compiler_vqqq7tjz/src:29:36: 错误: expected ';' before 'i'
23     29 |         for (auto i = now1.begin(); i != now1.end(); i++)
24     |             ^
25     |             ;
26 /tmp/compiler_vqqq7tjz/src:29:37: 错误: 'i'在此作用域中尚未声明
27     29 |         for (auto i = now1.begin(); i != now1.end(); i++)
28     |             ^
29 /tmp/compiler_vqqq7tjz/src:33:36: 错误: 'to_string'在此作用域中尚未声明
```

```
30     33 |                     string t = to_string(*i) + "," +
31         |                         to_string(target);
32 /tmp/compiler_vqqq7tjz/src:33:36: 附注: 'std::to_string' is only available
33 from C++17 onwards
34     41 |                     string t = to_string(target) + "," +
35         |                         to_string(*i);
36 /tmp/compiler_vqqq7tjz/src:41:36: 附注: 'std::to_string' is only available
37 from C++17 onwards
38 /tmp/compiler_vqqq7tjz/src: In function 'int main()':
39     62 |                     string s = to_string(p) + "," + to_string(q);
40         |                         ^
41 /tmp/compiler_vqqq7tjz/src:62:36: 附注: 'std::to_string' is only available
42 from C++17 onwards
43     67 |                     string s = to_string(q) + "," + to_string(p);
44         |                         ^
45 /tmp/compiler_vqqq7tjz/src:67:36: 附注: 'std::to_string' is only available
46 from C++17 onwards
47     78 |             for (auto i = now1.begin(); i != now1.end(); i++)
48         |                 ^
49         |                 ----
50 /tmp/compiler_vqqq7tjz/src:78:27: 错误: 'i'不是一个类型名
51     78 |             for (auto i = now1.begin(); i != now1.end(); i++)
52         |                 ^
53 /tmp/compiler_vqqq7tjz/src:78:44: 错误: expected ';' before 'i'
54     78 |             for (auto i = now1.begin(); i != now1.end(); i++)
55         |                 ^
56         |                 ;
57 /tmp/compiler_vqqq7tjz/src:78:45: 错误: 'i'在此作用域中尚未声明
58     78 |             for (auto i = now1.begin(); i != now1.end(); i++)
59         |                 ^
60 /tmp/compiler_vqqq7tjz/src:80:30: 警告: 'auto' changes meaning in C++11;
61 please remove it [-Wc++11-compat]
62     80 |             for (auto j = ttmap.begin(); j !=
63         |                         ttmap.end(); j++)
64         |                 ^
65         |                 ----
66 /tmp/compiler_vqqq7tjz/src:80:35: 错误: 'j'不是一个类型名
67     80 |             for (auto j = ttmap.begin(); j !=
68         |                         ttmap.end(); j++)
69         |                 ^
70         |                 ;
71 /tmp/compiler_vqqq7tjz/src:80:53: 错误: expected ';' before 'j'
72     80 |             for (auto j = ttmap.begin(); j !=
73         |                         ttmap.end(); j++)
74         |                 ^
```

```
74 /tmp/compiler_vqqq7tjz/src:97:22: 警告: 'auto' changes meaning in C++11;
75   please remove it [-Wc++11-compat]
76     97 |           for (auto i = next1.begin(); i != next1.end(); i++)
77     |           ^~~~
78     |           -----
79 /tmp/compiler_vqqq7tjz/src:97:27: 错误: 'i'不是一个类型名
80   97 |           for (auto i = next1.begin(); i != next1.end(); i++)
81   |           ^
82 /tmp/compiler_vqqq7tjz/src:97:45: 错误: expected ';' before 'i'
83   97 |           for (auto i = next1.begin(); i != next1.end(); i++)
84   |           ^
85 /tmp/compiler_vqqq7tjz/src:97:46: 错误: 'i'在此作用域中尚未声明
86   97 |           for (auto i = next1.begin(); i != next1.end(); i++)
87   |           ^
88 /tmp/compiler_vqqq7tjz/src:71:13: 警告: unused variable 'total' [-Wunused-
variable]
89   71 |       int total = 1;
90   |       ^~~~~
91 /tmp/compiler_vqqq7tjz/src: In function 'int check(int)':
92 /tmp/compiler_vqqq7tjz/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
93   48 | }
94   | ^
95
```

Submission 138177714

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 17:07:28	Puzzle in Inazuma	C++98	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string>
5 using namespace std;
6 vector<int> now = {};
7 vector<int> next1 = {};
8 map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",",&context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",",&context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100        {
101            judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_75hxsa23/src:6:13: 错误：在 C++98 中‘now’必须由构造函数而不是‘{...}’初始化
2     6 | vector<int> now = {};
3     |           ^
4 /tmp/compiler_75hxsa23/src:7:13: 错误：在 C++98 中‘next1’必须由构造函数而不是‘{...}’初始化
5     7 | vector<int> next1 = {};
6     |           ^
7 /tmp/compiler_75hxsa23/src:11:15: 警告：non-static data member initializers
8     11 |         int a = 0;
9     |             ^
10 /tmp/compiler_75hxsa23/src:12:15: 警告：non-static data member initializers
11     12 |         int b = 0;
12     |             ^
13 /tmp/compiler_75hxsa23/src: In function ‘node ex(std::string)’:
14 /tmp/compiler_75hxsa23/src:18:21: 错误：‘strtok_s’在此作用域中尚未声明
15     18 |         char* ptr = strtok_s(q, ",",&context);
16     |             ^
17 /tmp/compiler_75hxsa23/src:19:25: 错误：‘strtol’不是‘std’的成员
18     19 |         int int1 = std::strtol(ptr, &ptr, 10);
19     |             ^
20 /tmp/compiler_75hxsa23/src:21:25: 错误：‘strtol’不是‘std’的成员
21     21 |         int int2 = std::strtol(ptr, &ptr, 10);
22     |             ^
23 /tmp/compiler_75hxsa23/src: In function ‘int check(int)’:
24 /tmp/compiler_75hxsa23/src:29:14: 警告：‘auto’ changes meaning in C++11;
25     please remove it [-Wc++11-compat]
26     29 |         for (auto i = now.begin(); i != now.end(); i++)
27     |             ^
28     |             ----
29 /tmp/compiler_75hxsa23/src:29:19: 错误：‘i’不是一个类型名
```

```
29 |         for (auto i = now.begin(); i != now.end(); i++)
30 |             ^
31 /tmp/compiler_75hxsa23/src:29:35: 错误: expected ';' before 'i'
32 |         for (auto i = now.begin(); i != now.end(); i++)
33 |             ^
34 |             ;
35 /tmp/compiler_75hxsa23/src:29:36: 错误: 'i'在此作用域中尚未声明
36 |         for (auto i = now.begin(); i != now.end(); i++)
37 |             ^
38 /tmp/compiler_75hxsa23/src:33:36: 错误: 'to_string'在此作用域中尚未声明
39 |             string t = to_string(*i) + "," +
40 |             to_string(target);
41 |                                         ^
42 /tmp/compiler_75hxsa23/src:33:36: 附注: 'std::to_string' is only available
43 |                                         from C++17 onwards
44 /tmp/compiler_75hxsa23/src:41:36: 错误: 'to_string'在此作用域中尚未声明
45 |             string t = to_string(target) + "," +
46 |             to_string(*i);
47 |                                         ^
48 /tmp/compiler_75hxsa23/src:41:36: 附注: 'std::to_string' is only available
49 |                                         from C++17 onwards
50 /tmp/compiler_75hxsa23/src: In function 'int main()':
51 /tmp/compiler_75hxsa23/src:62:36: 错误: 'to_string'在此作用域中尚未声明
52 |             string s = to_string(p) + "," +
53 |             to_string(q);
54 |                                         ^
55 /tmp/compiler_75hxsa23/src:62:36: 附注: 'std::to_string' is only available
56 |                                         from C++17 onwards
57 /tmp/compiler_75hxsa23/src:67:36: 错误: 'to_string'在此作用域中尚未声明
58 |             string s = to_string(q) + "," +
59 |             to_string(p);
60 |                                         ^
61 /tmp/compiler_75hxsa23/src:67:36: 附注: 'std::to_string' is only available
62 |                                         from C++17 onwards
63 /tmp/compiler_75hxsa23/src:78:22: 警告: 'auto' changes meaning in C++11;
64 |                                         please remove it [-Wc++11-compat]
65 |
66 /tmp/compiler_75hxsa23/src:78:27: 错误: 'i'不是一个类型名
67 |             for (auto i = now.begin(); i != now.end(); i++)
68 |                 ^
69 /tmp/compiler_75hxsa23/src:78:43: 错误: expected ';' before 'i'
70 |             for (auto i = now.begin(); i != now.end(); i++)
71 |                 ^
72 |                 ;
73 /tmp/compiler_75hxsa23/src:78:44: 错误: 'i'在此作用域中尚未声明
74 |             for (auto i = now.begin(); i != now.end(); i++)
75 |                 ^
76 /tmp/compiler_75hxsa23/src:80:30: 警告: 'auto' changes meaning in C++11;
77 |                                         please remove it [-Wc++11-compat]
78 |             for (auto j = umap.begin(); j !=
79 |             umap.end(); j++)
80 |                 ^
81 |                 ;
82 /tmp/compiler_75hxsa23/src:80:35: 错误: 'j'不是一个类型名
```

```
74     80 |                                     for (auto j = umap.begin(); j !=  
75     |                                         umap.end(); j++)  
76 /tmp/compiler_75hxsa23/src:80:52: 错误: expected ';' before 'j'  
77     80 |                                     for (auto j = umap.begin(); j !=  
78     |                                         umap.end(); j++)  
79     |                                         ;  
80 /tmp/compiler_75hxsa23/src:80:53: 错误: 'j'在此作用域中尚未声明  
81     80 |                                     for (auto j = umap.begin(); j !=  
82     |                                         umap.end(); j++)  
83 /tmp/compiler_75hxsa23/src:97:22: 警告: 'auto' changes meaning in C++11;  
please remove it [-Wc++11-compat]  
84     97 |                                     for (auto i = next1.begin(); i != next1.end(); i++)  
85     |                                         ^~~~  
86     |                                         ----  
87 /tmp/compiler_75hxsa23/src:97:27: 错误: 'i'不是一个类型名  
88     97 |                                     for (auto i = next1.begin(); i != next1.end(); i++)  
89     |                                         ^  
90 /tmp/compiler_75hxsa23/src:97:45: 错误: expected ';' before 'i'  
91     97 |                                     for (auto i = next1.begin(); i != next1.end(); i++)  
92     |                                         ^~  
93     |                                         ;  
94 /tmp/compiler_75hxsa23/src:97:46: 错误: 'i'在此作用域中尚未声明  
95     97 |                                     for (auto i = next1.begin(); i != next1.end(); i++)  
96     |                                         ^  
97 /tmp/compiler_75hxsa23/src:71:13: 警告: unused variable 'total' [-Wunused-  
variable]  
98     71 |             int total = 1;  
99     |             ^~~~~~  
100 /tmp/compiler_75hxsa23/src: In function 'int check(int)':  
101 /tmp/compiler_75hxsa23/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-  
Wreturn-type]  
102     48 | }  
103     | ^  
104
```

Submission 138177458

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 17:05:46	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string>
5 using namespace std;
6 vector<int> now;
7 vector<int> next1;
8 map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_51mltlyl/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_51mltlyl/src:18:14: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtof_l'?
3   18 |   char* ptr = strtok_s(q, ",",&context);
4   |           ^
5   |           strtokof_l
6 /tmp/compiler_51mltlyl/src: 在函数'int main()'中:
7 /tmp/compiler_51mltlyl/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_51mltlyl/src: 在函数'int check(int)'中:
11 /tmp/compiler_51mltlyl/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14 
```

Submission 138177397

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 17:05:21	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<map>
4 #include<string>
5 using namespace std;
6 vector<int> now = {};
7 vector<int> next1 = {};
8 map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",",&context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",",&context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_9x9rw5hr/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_9x9rw5hr/src:18:14: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtof_l'?
3   18 |   char* ptr = strtok_s(q, ",",&context);
4   |           ^
5   |           strtokof_l
6 /tmp/compiler_9x9rw5hr/src: 在函数'int main()'中:
7 /tmp/compiler_9x9rw5hr/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_9x9rw5hr/src: 在函数'int check(int)'中:
11 /tmp/compiler_9x9rw5hr/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14 
```

Submission 138176509

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:59:33	Puzzle in Inazuma	C++20	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string>
5 using namespace std;
6 vector<int> now;
7 vector<int> next1;
8 unordered_map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_gzvtc9pb/src: In function 'node ex(std::string)':
2 /tmp/compiler_gzvtc9pb/src:18:21: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtol_l'?
3   18 |         char* ptr = strtok_s(q, ",",&context);
4   |             ^
5   |             strtol_l
6 /tmp/compiler_gzvtc9pb/src: In function 'int main()':
7 /tmp/compiler_gzvtc9pb/src:71:13: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |         int total = 1;
9   |             ^
10 /tmp/compiler_gzvtc9pb/src: In function 'int check(int)':
11 /tmp/compiler_gzvtc9pb/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
```

Submission 138176435

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:59:04	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string>
5 using namespace std;
6 vector<int> now;
7 vector<int> next1;
8 unordered_map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_1dpm8d9d/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_1dpm8d9d/src:18:14: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtof_l'?
3   18 |   char* ptr = strtok_s(q, ",",&context);
4   |           ^
5   |           strtok_l
6 /tmp/compiler_1dpm8d9d/src: 在函数'int main()'中:
7 /tmp/compiler_1dpm8d9d/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_1dpm8d9d/src: 在函数'int check(int)'中:
11 /tmp/compiler_1dpm8d9d/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14 
```

Submission 138176404

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:58:55	Puzzle in Inazuma	C++98	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string>
5 using namespace std;
6 vector<int> now;
7 vector<int> next1;
8 unordered_map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }

```

Test Detail

- Compile Error

```

1 In file included from /nix/store/al0w33yvyzkjm86ndpf42knjfymfisph-luogu-
gcc-13.2.0/include/c++/13.2.0/unordered_map:37,
2                 from /tmp/compiler_810x8qxx/src:3:
3 /nix/store/al0w33yvyzkjm86ndpf42knjfymfisph-luogu-gcc-
4           13.2.0/include/c++/13.2.0/bits/c++0x_warning.h:32:2: 错误: #error This file
5             requires compiler and library support for the ISO C++ 2011 standard. This
6             support must be enabled with the -std=c++11 or -std=gnu++11 compiler
7             options.
8 | #error This file requires compiler and library support \
8 | ^~~~~~
9 /tmp/compiler_810x8qxx/src:8:1: 错误: 'unordered_map' 不是一个类型名
10    8 | unordered_map<string, bool> umap;
11    | ^~~~~~~
12 /tmp/compiler_810x8qxx/src:11:15: 警告: non-static data member initializers
13   only available with '-std=c++11' or '-std=gnu++11' [-Wc++11-extensions]
14     11 |         int a = 0;
15     |         ^
16 /tmp/compiler_810x8qxx/src:12:15: 警告: non-static data member initializers
17   only available with '-std=c++11' or '-std=gnu++11' [-Wc++11-extensions]
18     12 |         int b = 0;
19     |         ^
20 /tmp/compiler_810x8qxx/src: In function 'node ex(std::string)':
21 /tmp/compiler_810x8qxx/src:18:21: 错误: 'strtok_s'在此作用域中尚未声明
22     18 |         char* ptr = strtok_s(q, ",", &context);
23     |                     ^
24 /tmp/compiler_810x8qxx/src:19:25: 错误: 'strtol'不是'std'的成员
25     19 |         int int1 = std::strtol(ptr, &ptr, 10);
26     |                     ^
27 /tmp/compiler_810x8qxx/src:21:25: 错误: 'strtol'不是'std'的成员
28     21 |         int int2 = std::strtol(ptr, &ptr, 10);
29     |                     ^
30 /tmp/compiler_810x8qxx/src: In function 'int check(int)':

```

```
26 /tmp/compiler_810x8qxx/src:29:14: 警告: 'auto' changes meaning in C++11;
27   please remove it [-Wc++11-compat]
28   29 |           for (auto i = now.begin(); i != now.end(); i++)
29   |           ^
29   |           ----
30 /tmp/compiler_810x8qxx/src:29:19: 错误: 'i'不是一个类型名
31   29 |           for (auto i = now.begin(); i != now.end(); i++)
32   |           ^
33 /tmp/compiler_810x8qxx/src:29:35: 错误: expected ';' before 'i'
34   29 |           for (auto i = now.begin(); i != now.end(); i++)
35   |           ^
36   |           ;
37 /tmp/compiler_810x8qxx/src:29:36: 错误: 'i'在此作用域中尚未声明
38   29 |           for (auto i = now.begin(); i != now.end(); i++)
39   |           ^
40 /tmp/compiler_810x8qxx/src:33:36: 错误: 'to_string'在此作用域中尚未声明
41   33 |                   string t = to_string(*i) + "," +
42   |                   to_string(target);
43   |                   ^
43 /tmp/compiler_810x8qxx/src:33:36: 附注: 'std::to_string' is only available
44   from C++17 onwards
44 /tmp/compiler_810x8qxx/src:34:29: 错误: 'umap'在此作用域中尚未声明
45   34 |                   if (umap[t] == 1)
46   |                   ^
47 /tmp/compiler_810x8qxx/src:41:36: 错误: 'to_string'在此作用域中尚未声明
48   41 |                   string t = to_string(target) + "," +
49   |                   to_string(*i);
49   |                   ^
50 /tmp/compiler_810x8qxx/src:41:36: 附注: 'std::to_string' is only available
51   from C++17 onwards
51 /tmp/compiler_810x8qxx/src:42:29: 错误: 'umap'在此作用域中尚未声明
52   42 |                   if (umap[t] == 1)
53   |                   ^
54 /tmp/compiler_810x8qxx/src: In function 'int main()':
55 /tmp/compiler_810x8qxx/src:62:36: 错误: 'to_string'在此作用域中尚未声明
56   62 |                   string s = to_string(p) + "," +
57   |                   to_string(q);
57   |                   ^
58 /tmp/compiler_810x8qxx/src:62:36: 附注: 'std::to_string' is only available
59   from C++17 onwards
59 /tmp/compiler_810x8qxx/src:63:25: 错误: 'umap'在此作用域中尚未声明
60   63 |                   umap[s] = 1;
61   |                   ^
62 /tmp/compiler_810x8qxx/src:67:36: 错误: 'to_string'在此作用域中尚未声明
63   67 |                   string s = to_string(q) + "," +
64   |                   to_string(p);
64   |                   ^
65 /tmp/compiler_810x8qxx/src:67:36: 附注: 'std::to_string' is only available
66   from C++17 onwards
66 /tmp/compiler_810x8qxx/src:68:25: 错误: 'umap'在此作用域中尚未声明
67   68 |                   umap[s] = 1;
68   |                   ^
69 /tmp/compiler_810x8qxx/src:78:22: 警告: 'auto' changes meaning in C++11;
70   please remove it [-Wc++11-compat]
70   78 |           for (auto i = now.begin(); i != now.end(); i++)
71   |           ^~~~
```

```
72 |      -----
73 /tmp/compiler_810x8qxx/src:78:27: 错误: 'i'不是一个类型名
74     78 |          for (auto i = now.begin(); i != now.end(); i++)
75     |          ^
76 /tmp/compiler_810x8qxx/src:78:43: 错误: expected ';' before 'i'
77     78 |          for (auto i = now.begin(); i != now.end(); i++)
78     |          ^
79     |
80 /tmp/compiler_810x8qxx/src:78:44: 错误: 'i'在此作用域中尚未声明
81     78 |          for (auto i = now.begin(); i != now.end(); i++)
82     |          ^
83 /tmp/compiler_810x8qxx/src:80:30: 警告: 'auto' changes meaning in C++11;
please remove it [-Wc++11-compat]
84     80 |          for (auto j = umap.begin(); j !=
85     |          umap.end(); j++)
86     |          ^
87     |          -----
88 /tmp/compiler_810x8qxx/src:80:35: 错误: 'j'不是一个类型名
89     80 |          for (auto j = umap.begin(); j !=
90     |          umap.end(); j++)
91     |          ^
92     |          -----
93     |          ;
94 /tmp/compiler_810x8qxx/src:80:53: 错误: 'j'在此作用域中尚未声明
95     80 |          for (auto j = umap.begin(); j !=
96     |          umap.end(); j++)
97     |          ^
98 /tmp/compiler_810x8qxx/src:80:58: 错误: 'umap'在此作用域中尚未声明
99     80 |          for (auto j = umap.begin(); j !=
100    |          umap.end(); j++)
101   |          ^
102   |          -----
103   |          ;
104 /tmp/compiler_810x8qxx/src:97:22: 警告: 'auto' changes meaning in C++11;
please remove it [-Wc++11-compat]
105    97 |          for (auto i = next1.begin(); i != next1.end(); i++)
106    |          ^
107    |          -----
108 /tmp/compiler_810x8qxx/src:97:27: 错误: 'i'不是一个类型名
109    97 |          for (auto i = next1.begin(); i != next1.end(); i++)
110    |          ^
111 /tmp/compiler_810x8qxx/src:97:45: 错误: expected ';' before 'i'
112    97 |          for (auto i = next1.begin(); i != next1.end(); i++)
113    |          ^
114 /tmp/compiler_810x8qxx/src:97:46: 错误: 'i'在此作用域中尚未声明
115    97 |          for (auto i = next1.begin(); i != next1.end(); i++)
116    |          ^
117 /tmp/compiler_810x8qxx/src: In function 'int check(int)':
118 /tmp/compiler_810x8qxx/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
```

119 | 48 | }
120 | ^
121

Submission 138176357

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:58:37	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string>
5 using namespace std;
6 vector<int> now;
7 vector<int> next1;
8 unordered_map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_2d_51hym/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_2d_51hym/src:18:14: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtof_l'?
3   18 |   char* ptr = strtok_s(q, ",",&context);
4   |           ^
5   |           strtok_f
6 /tmp/compiler_2d_51hym/src: 在函数'int main()'中:
7 /tmp/compiler_2d_51hym/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_2d_51hym/src: 在函数'int check(int)'中:
11 /tmp/compiler_2d_51hym/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14 
```

Submission 138175782

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:55:22	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string>
5 using namespace std;
6 vector<int> now = {};
7 vector<int> next1 = {};
8 unordered_map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_yeeqsg7g/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_yeeqsg7g/src:18:14: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtof_l'?
3   18 |   char* ptr = strtok_s(q, ",",&context);
4   |           ^
5   |           strtok_f
6 /tmp/compiler_yeeqsg7g/src: 在函数'int main()'中:
7 /tmp/compiler_yeeqsg7g/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |       ^
10 /tmp/compiler_yeeqsg7g/src: 在函数'int check(int)'中:
11 /tmp/compiler_yeeqsg7g/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14
```

Submission 138175669

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 16:54:49	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 using namespace std;
5 int main() {
6     int n, m;
7     cin >> n >> m;
8     vector<vector<int>> graph(n);
9     vector<int> magatama(n, -1);
10    for (int i = 0; i < m; ++i) {
11        int u, v;
12        cin >> u >> v;
13        u--; v--;
14        graph[u].push_back(v);
15        graph[v].push_back(u);
16    }
17    queue<int> q;
18    magatama[0] = 1;
19    q.push(0);
20    while (!q.empty()) {
21        int node = q.front();
22        q.pop();
23        for (int neighbor : graph[node]) {
24            if (magatama[neighbor] == -1) {
25                magatama[neighbor] = magatama[node] + 1;
26                q.push(neighbor);
27            }
28        }
29    }
30    bool valid = true;
31    for (int u = 0; u < n; ++u) {
32        for (int v : graph[u]) {
33            if (abs(magatama[u] - magatama[v]) != 1) {
34                valid = false;
35                break;
36            }
37        }
38        if (!valid) break;
39    }
40    if (valid) {
41        cout << "YES" << endl;
42        for (int i = 1; i < n; ++i) {
43            cout << magatama[i] << " ";
44        }
45        cout << endl;
```

```
46     } else {
47         cout << "NO" << endl;
48     }
49     return 0;
50 }
51
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138175479

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 16:53:48	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <unordered_set>
5 using namespace std;
6 bool check(const vector<vector<int>>& graph, const vector<int>& magatama, int
layer) {
7     for (int u = 0; u < graph.size(); ++u)
8     {
9         if (magatama[u] != layer) continue;
10        unordered_set<int> connectToNext;
11        for (int v : graph[u])
12        {
13            if (magatama[v] == layer + 1)
14            {
15                connectToNext.insert(v);
16            }
17        }
18        for (int w = 0; w < graph.size(); ++w)
19        {
20            if (magatama[w] == layer + 1 && connectToNext.find(w) ==
connectToNext.end())
21            {
22                return false;
23            }
24        }
25    }
26    return true;
27 }
28
29 int main() {
30     int n, m;
31     cin >> n >> m;
32     vector<vector<int>> graph(n);
33     vector<int> magatama(n, -1);
34     for (int i = 0; i < m; ++i)
35     {
36         int u, v;
37         cin >> u >> v;
38         u--; v--;
39         graph[u].push_back(v);
40         graph[v].push_back(u);
41     }
42     queue<int> q;
43     magatama[0] = 1;
```

```

44     q.push(0);
45     while (!q.empty())
46     {
47         int node = q.front();
48         q.pop();
49         for (int neighbor : graph[node])
50         {
51             if (magatama[neighbor] == -1)
52             {
53                 magatama[neighbor] = magatama[node] + 1;
54                 q.push(neighbor);
55             }
56         }
57     }
58     bool valid = true;
59     for (int layer = 1; layer < n && valid; ++layer)
60     {
61         if (!check(graph, magatama, layer))
62         {
63             valid = false;
64             break;
65         }
66     }
67     if (valid)
68     {
69         printf("YES\n");
70         for (int i = 1; i < n; ++i)
71         {
72             cout << magatama[i] << " ";
73         }
74         printf("\n");
75     }
76     else {
77         printf("NO\n");
78     }
79     return 0;
80 }
81

```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 5 - **Time Limit Exceeded** :
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Time Limit Exceeded** :

- Test 8 - **Time Limit Exceeded** :
- Test 9 - **Time Limit Exceeded** :
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Time Limit Exceeded** :
- Test 12 - **Time Limit Exceeded** :
- Test 13 - **Time Limit Exceeded** :
- Test 14 - **Accepted** : ok OK, participant's solution is correct
- Test 15 - **Accepted** : ok OK, participant's solution is correct
- Test 16 - **Accepted** : ok OK, participant's solution is correct
- Test 17 - **Accepted** : ok OK, participant's solution is correct
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138175436

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:53:30	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<unordered_map>
4 #include<string>
5 using namespace std;
6 vector<int> now = {};
7 vector<int> next1 = {};
8 unordered_map<string, bool> umap;
9 struct node
10 {
11     int a = 0;
12     int b = 0;
13 };
14 node ex(string p)
15 {
16     char* q = &p[0];
17     char* context;
18     char* ptr = strtok_s(q, ",", &context);
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok_s(NULL, ",", &context);
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100        {
101            judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_u3tr0wza/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_u3tr0wza/src:18:14: 错误: 'strtok_s' was not declared in this
scope; did you mean 'strtof_l'?
3   18 |   char* ptr = strtok_s(q, ",",&context);
4   |           ^
5   |           strtokof_l
6 /tmp/compiler_u3tr0wza/src: 在函数'int main()'中:
7 /tmp/compiler_u3tr0wza/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_u3tr0wza/src: 在函数'int check(int)'中:
11 /tmp/compiler_u3tr0wza/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14
```

Submission 138173142

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:39:03	Puzzle in Inazuma	C++11	Compile Error

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<iostream>
3 #include<vector>
4 #include<unordered_map>
5 #include<string>
6 using namespace std;
7 vector<int> now = {};
8 vector<int> next1 = {};
9 unordered_map<string, bool> umap;
10 struct node
11 {
12     int a = 0;
13     int b = 0;
14 };
15 node ex(string p)
16 {
17     char* q = &p[0];
18     char* ptr = strtok(q, ",");
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok(NULL, ",");
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```
102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```
1 /tmp/compiler_kq7b4spo/src: In function 'node ex(std::string)':
2 /tmp/compiler_kq7b4spo/src:18:21: 错误: 'strtok' was not declared in this
scope; did you mean 'strtod'?
3     18 |         char* ptr = strtok(q, ",");
4     |             ^
5     |             strtok
6 /tmp/compiler_kq7b4spo/src: In function 'int main()':
7 /tmp/compiler_kq7b4spo/src:71:13: 警告: unused variable 'total' [-Wunused-
variable]
8     71 |         int total = 1;
9     |             ^
10 /tmp/compiler_kq7b4spo/src: In function 'int check(int)':
11 /tmp/compiler_kq7b4spo/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12     48 | }
13     | ^
```

Submission 138173080

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:38:39	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<iostream>
3 #include<vector>
4 #include<unordered_map>
5 #include<string>
6 using namespace std;
7 vector<int> now = {};
8 vector<int> next1 = {};
9 unordered_map<string, bool> umap;
10 struct node
11 {
12     int a = 0;
13     int b = 0;
14 };
15 node ex(string p)
16 {
17     char* q = &p[0];
18     char* ptr = strtok(q, ",");
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok(NULL, ",");
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_53w3jjdz/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_53w3jjdz/src:18:14: 错误: 'strtok' was not declared in this
scope; did you mean 'strtodq'?
3   18 |   char* ptr = strtok(q, ",");
4   |           ^
5   |           strtok
6 /tmp/compiler_53w3jjdz/src: 在函数'int main()'中:
7 /tmp/compiler_53w3jjdz/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_53w3jjdz/src: 在函数'int check(int)'中:
11 /tmp/compiler_53w3jjdz/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14 
```

Submission 138173024

User	Time	Problem	Language	Verdict
bbbbber	2023/12/4 16:38:12	Puzzle in Inazuma	C++14(GCC 9)	Compile Error

Code

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include<iostream>
3 #include<vector>
4 #include<unordered_map>
5 #include<string>
6 using namespace std;
7 vector<int> now = {};
8 vector<int> next1 = {};
9 unordered_map<string, bool> umap;
10 struct node
11 {
12     int a = 0;
13     int b = 0;
14 };
15 node ex(string p)
16 {
17     char* q = &p[0];
18     char* ptr = strtok(q, ",");
19     int int1 = std::strtol(ptr, &ptr, 10);
20     ptr = strtok(NULL, ",");
21     int int2 = std::strtol(ptr, &ptr, 10);
22     node result;
23     result.a = int1;
24     result.b = int2;
25     return result;
26 }
27 int check(int target)
28 {
29     for (auto i = now.begin(); i != now.end(); i++)
30     {
31         if (*i < target)
32         {
33             string t = to_string(*i) + "," + to_string(target);
34             if (umap[t] == 1)
35                 umap.erase(t);
36             else if (umap[t] == 0)
37                 return 2;
38         }
39     }
40     else
41     {
42         string t = to_string(target) + "," + to_string(*i);
43         if (umap[t] == 1)
44             umap.erase(t);
45         else if (umap[t] == 0)
46             return 2;
47     }
48 }
```

```

46         }
47     }
48 }
49 int main()
50 {
51     int judge = 0;
52     int n, m;
53     int p, q;
54     int flag[100010] = { 0 };
55     flag[1] = 1;
56     cin >> n >> m;
57     for (int i = 1; i <= m; i++)
58     {
59         cin >> p >> q;
60         if (p < q)
61         {
62             string s = to_string(p) + "," + to_string(q);
63             umap[s] = 1;
64         }
65         else
66         {
67             string s = to_string(q) + "," + to_string(p);
68             umap[s] = 1;
69         }
70     }
71     int total = 1;
72     int step = 1;
73     now.push_back(1);
74     while (1)
75     {
76         int f = 0;
77         int u = 0;
78         for (auto i = now.begin(); i != now.end(); i++)
79         {
80             for (auto j = umap.begin(); j != umap.end(); j++)
81             {
82                 node z = ex(j->first);
83                 if (z.a == *i && flag[z.b] == 0)
84                 {
85                     next1.push_back(z.b);
86                     flag[z.b] = step + 1;
87                     f = 1;
88                 }
89                 if (z.b == *i && flag[z.a] == 0)
90                 {
91                     next1.push_back(z.b);
92                     flag[z.b] = step + 1;
93                     f = 1;
94                 }
95             }
96         }
97         for (auto i = next1.begin(); i != next1.end(); i++)
98             u = check(*i);
99         if (u == 2)
100         {
101             judge = 1;

```

```

102         break;
103     }
104     if (f == 0)
105         break;
106     now.swap(next1);
107     next1.clear();
108     step++;
109 }
110 if (judge == 0)
111 {
112     cout << "YES" << endl;
113     for (int i = 2; i <= n; i++)
114         cout << flag[i] << " ";
115 }
116 else
117     cout << "NO";
118 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_z294ad08/src: 在函数'node ex(std::string)'中:
2 /tmp/compiler_z294ad08/src:18:14: 错误: 'strtok' was not declared in this
scope; did you mean 'strtouq'?
3   18 |   char* ptr = strtok(q, ",");
4   |           ^
5   |           strtok
6 /tmp/compiler_z294ad08/src: 在函数'int main()'中:
7 /tmp/compiler_z294ad08/src:71:6: 警告: unused variable 'total' [-Wunused-
variable]
8   71 |   int total = 1;
9   |           ^
10 /tmp/compiler_z294ad08/src: 在函数'int check(int)'中:
11 /tmp/compiler_z294ad08/src:48:1: 警告: 在有返回值的函数中, 控制流程到达函数尾 [-
Wreturn-type]
12   48 | }
13   | ^
14 
```

Submission 138164577

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/4 15:19:21	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<queue>
4 using namespace std;
5 int n, m, u, v;
6 struct Node{
7     vector<int> to;
8     int in_deg;
9     int dep;
10 }node[100005];
11
12 int dep_num[100005];
13
14 queue<int> q;
15
16 void solve(){
17     q.push(1);
18     node[1].dep = 1;
19     while(!q.empty()){
20         int num = q.size();
21         for(int i = 0;i < num;i++){
22             int frt = q.front();
23             q.pop();
24             for(int j = 0;j < node[frt].to.size();j++){
25                 int to_id = node[frt].to[j];
26                 if(node[to_id].dep != 0 && node[to_id].dep < node[frt].dep)
continue;
27                 if(node[to_id].dep == 0){
28                     q.push(to_id);
29                     node[to_id].dep = node[frt].dep + 1;
30                     node[to_id].in_deg = 1;
31                 }
32                 else{
33                     if(node[to_id].dep != node[frt].dep + 1){
34                         cout << "NO" << endl;
35                         return;
36                     }
37                     node[to_id].in_deg++;
38                 }
39             }
40         }
41     }
42     for(int i = 1;i <= n;i++){
43         // cout << i << ' ';
44         // cout << node[i].in_deg << endl;
45 }
```

```

45         dep_num[node[i].dep]++;
46     }
47     for(int i = 2;i <= n;i++){
48         if(!(node[i].in_deg == dep_num[node[i].dep - 1])){
49             cout << "NO" << endl;
50             return;
51         }
52     }
53     cout << "YES\n";
54     for(int i = 2;i <= n;i++){
55         cout << node[i].dep << ' ';
56     }
57     cout << endl;
58 }
59
60 int main(){
61     cin >> n >> m;
62     for(int i = 0;i < m;i++){
63         cin >> u >> v;
64         node[u].to.push_back(v);
65         node[v].to.push_back(u);
66     }
67     //cout << "----\n";
68     solve();
69     return 0;
70 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct
 - Test 13 - Accepted : ok OK, participant's solution is correct
 - Test 14 - Accepted : ok OK, participant's solution is correct
 - Test 15 - Accepted : ok OK, participant's solution is correct
 - Test 16 - Accepted : ok OK, participant's solution is correct

- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138156319

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 13:53:55	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 #include <iostream>
8 #include <queue>
9 #include <vector>
10
11 using namespace std;
12
13 const int MAXN = 100005;
14 vector<int> adj[MAXN];
15 int magatama[MAXN];
16 bool visited[MAXN];
17 vector<int> num1(MAXN, 0);
18 vector<int> num2(MAXN, 0);
19
20 bool bfs(int n) {
21     queue<int> q;
22     q.push(1);
23     magatama[1] = 1;
24     visited[1] = true;
25
26     while (!q.empty()) {
27         int u = q.front();
28         q.pop();
29
30         for (int v : adj[u]) {
31             if (!visited[v]) {
32                 visited[v] = true;
33                 magatama[v] = magatama[u] + 1;
34                 q.push(v);
35             } else if (magatama[v] != magatama[u] + 1) {
36                 if (magatama[v] != magatama[u] - 1 &&
37                     magatama[v] != magatama[u] + 1) {
38                     return false;
39                 }
40             }
41         }
42     }
43
44     for (int i = 1; i <= n; i++) {
45         num1[magatama[i]]++;
46     }
47 }
```

```
46     }
47
48     for (int i = 1; i <= n; i++) {
49         for (auto j : adj[i]) {
50             if (magatama[j] == magatama[i] + 1) {
51                 num2[i]++;
52             }
53         }
54     }
55
56     for (int i = 1; i <= n; i++) {
57         if (num2[i] != num1[magatama[i] + 1]) {
58             return false;
59         }
60     }
61
62     for (int i = 1; i <= n; ++i) {
63         if (!visited[i]) {
64             return false; // 如果有未连接的部分
65         }
66     }
67
68     return true;
69 }
70
71 int main() {
72     int n, m;
73     cin >> n >> m;
74
75     for (int i = 0; i < m; ++i) {
76         int u, v;
77         cin >> u >> v;
78         adj[u].push_back(v);
79         adj[v].push_back(u);
80     }
81
82     if (bfs(n)) {
83         cout << "YES\n";
84         for (int i = 2; i <= n; ++i) {
85             cout << magatama[i] << " ";
86         }
87         cout << "\n";
88     } else {
89         cout << "NO\n";
90     }
91
92     return 0;
93 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct
 - Test 13 - Accepted : ok OK, participant's solution is correct
 - Test 14 - Accepted : ok OK, participant's solution is correct
 - Test 15 - Accepted : ok OK, participant's solution is correct
 - Test 16 - Accepted : ok OK, participant's solution is correct
 - Test 17 - Accepted : ok OK, participant's solution is correct
 - Test 18 - Accepted : ok OK, participant's solution is correct
 - Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138154425

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 13:35:44	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 #include <iostream>
8 #include <queue>
9 #include <vector>
10
11 using namespace std;
12
13 const int MAXN = 100005;
14 vector<int> adj[MAXN];
15 int magatama[MAXN];
16 bool visited[MAXN];
17
18 bool bfs(int n) {
19     queue<int> q;
20     q.push(1);
21     magatama[1] = 1;
22     visited[1] = true;
23
24     while (!q.empty()) {
25         int u = q.front();
26         q.pop();
27
28         for (int v : adj[u]) {
29             if (!visited[v]) {
30                 visited[v] = true;
31                 magatama[v] = magatama[u] + 1;
32                 q.push(v);
33             } else if (magatama[v] != magatama[u] + 1) {
34                 if (magatama[v] != magatama[u] - 1 &&
35                     magatama[v] != magatama[u] + 1) {
36                     return false;
37                 }
38             }
39         }
40     }
41
42     for (int i = 1; i <= n; ++i) {
43         if (!visited[i]) {
44             return false; // 如果有未连接的部分
45         }
46     }
47 }
```

```

46     }
47
48     return true;
49 }
50
51 int main() {
52     int n, m;
53     cin >> n >> m;
54
55     for (int i = 0; i < m; ++i) {
56         int u, v;
57         cin >> u >> v;
58         adj[u].push_back(v);
59         adj[v].push_back(u);
60     }
61
62     if (bfs(n)) {
63         cout << "YES\n";
64         for (int i = 2; i <= n; ++i) {
65             cout << magatama[i] << " ";
66         }
67         cout << "\n";
68     } else {
69         cout << "NO\n";
70     }
71
72     return 0;
73 }
74

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct

- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138148615

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 12:33:15	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=2e5+10;
4 vector<int> edge[N];
5 queue<int> q;
6 long long d[N],s[N];bool vis[N];
7 int main(){
8     int n,m;cin>>n>>m;
9     for(int i=1;i<=m;i++){
10         int u,v;
11         cin>>u>>v;
12         if(u==v){
13             cout<<"NO\n";
14             return 0;
15         }
16         edge[u].push_back(v);
17         edge[v].push_back(u);
18     }
19     long long sum=0;
20     q.push(1);vis[1]=true;d[1]=1;
21     while(!q.empty()){
22         sum++;
23         int x=q.front();q.pop();
24         for(auto y:edge[x]){
25             if(!vis[y]){
26                 d[y]=d[x]+1;
27                 vis[y]=1;
28                 q.push(y);
29             }else{
30                 if(d[y]!=d[x]+1&&d[y]!=d[x]-1){
31                     cout<<"NO\n";
32                     return 0;
33                 }
34             }
35         }
36     }
37     if(sum!=n){
38         cout<<"NO\n";
39         return 0;
40     }
41     sum=0;
42     for(int i=1;i<=n;i++)s[d[i]]++;
43     for(int i=2;i<=n;i++)sum+=s[i]*s[i-1];
44     if(sum!=m){
45         cout<<"NO\n";
```

```
46         return 0;
47     }
48     cout<<"YES\n";
49     for(int i=2;i<=n;i++)cout<<d[i]<<' ';
50 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct
 - Test 13 - Accepted : ok OK, participant's solution is correct
 - Test 14 - Accepted : ok OK, participant's solution is correct
 - Test 15 - Accepted : ok OK, participant's solution is correct
 - Test 16 - Accepted : ok OK, participant's solution is correct
 - Test 17 - Accepted : ok OK, participant's solution is correct
 - Test 18 - Accepted : ok OK, participant's solution is correct
 - Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138148559

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 12:32:35	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=2e5+10;
4 vector<int> edge[N];
5 queue<int> q;
6 long long d[N],s[N];bool vis[N];
7 int main(){
8     int n,m;cin>>n>>m;
9     for(int i=1;i<=m;i++){
10         int u,v;
11         cin>>u>>v;
12         if(u==v){
13             cout<<"NO\n";
14             return 0;
15         }
16         edge[u].push_back(v);
17         edge[v].push_back(u);
18     }
19     long long sum=0;
20     q.push(1);vis[1]=true;d[1]=1;
21     while(!q.empty()){
22         sum++;
23         int x=q.front();q.pop();
24         for(auto y:edge[x]){
25             if(!vis[y]){
26                 d[y]=d[x]+1;
27                 vis[y]=1;
28                 q.push(y);
29             }else{
30                 if(d[y]!=d[x]+1&&d[y]!=d[x]-1){
31                     cout<<"NO\n";
32                     return 0;
33                 }
34             }
35         }
36     }
37     if(sum!=n){
38         cout<<"NO\n";
39         return 0;
40     }
41     sum=0;
42 //    for(int i=1;i<=n;i++)s[d[i]]++;
43 //    for(int i=2;i<=n;i++)sum+=s[2]*s[1];
44 //    if(sum!=m){
45 //        cout<<"NO\n";
```

```
46 //      return 0;
47 //}
48 cout<<"YES\n";
49 for(int i=2;i<=n;i++)cout<<d[i]<<' ';
50 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138148536

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 12:32:08	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=2e5+10;
4 vector<int> edge[N];
5 queue<int> q;
6 long long d[N],s[N];bool vis[N];
7 int main(){
8     int n,m;cin>>n>>m;
9     for(int i=1;i<=m;i++){
10         int u,v;
11         cin>>u>>v;
12         if(u==v){
13             cout<<"NO\n";
14             return 0;
15         }
16         edge[u].push_back(v);
17         edge[v].push_back(u);
18     }
19     long long sum=0;
20     q.push(1);vis[1]=true;d[1]=1;
21     while(!q.empty()){
22         sum++;
23         int x=q.front();q.pop();
24         for(auto y:edge[x]){
25             if(!vis[y]){
26                 d[y]=d[x]+1;
27                 vis[y]=1;
28                 q.push(y);
29             }else{
30                 if(d[y]!=d[x]+1&&d[y]!=d[x]-1){
31                     cout<<"NO\n";
32                     return 0;
33                 }
34             }
35         }
36     }
37     if(sum!=n){
38         cout<<"NO\n";
39         return 0;
40     }
41     sum=0;
42     for(int i=1;i<=n;i++)s[d[i]]++;
43     for(int i=2;i<=n;i++)sum+=s[2]*s[1];
44     if(sum!=m){
45         cout<<"NO\n";
```

```
46         return 0;
47     }
48     cout<<"YES\n";
49     for(int i=2;i<=n;i++)cout<<d[i]<<' ';
50 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 12 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't

Submission 138147784

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 12:19:20	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 const int MAXN = 100005;
8 vector<int> adj[MAXN];
9 int magatama[MAXN];
10 bool visited[MAXN];
11
12 bool bfs(int n) {
13     queue<int> q;
14     q.push(1);
15     magatama[1] = 1;
16     visited[1] = true;
17
18     while (!q.empty()) {
19         int u = q.front();
20         q.pop();
21
22         for (int v : adj[u]) {
23             if (!visited[v]) {
24                 visited[v] = true;
25                 magatama[v] = magatama[u] + 1;
26                 q.push(v);
27             } else if (magatama[v] != magatama[u] + 1) {
28                 if (magatama[v] != magatama[u] - 1 &&
29                     magatama[v] != magatama[u] + 1) {
30                     return false;
31                 }
32             }
33         }
34     }
35
36     for (int i = 1; i <= n; ++i) {
37         if (!visited[i]) {
38             return false;
39         }
40     }
41
42     return true;
43 }
44
45 int main() {
```

```

46     int n, m;
47     cin >> n >> m;
48
49     for (int i = 0; i < m; ++i) {
50         int u, v;
51         cin >> u >> v;
52         adj[u].push_back(v);
53         adj[v].push_back(u);
54     }
55
56     if (bfs(n)) {
57         cout << "YES\n";
58         for (int i = 2; i <= n; ++i) {
59             cout << magatama[i] << " ";
60         }
61         cout << "\n";
62     } else {
63         cout << "NO\n";
64     }
65
66     return 0;
67 }
68

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct

- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138147656

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 12:16:45	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 int n, m;
8
9 int main() {
10     ios::sync_with_stdio(false);
11     cin.tie(NULL);
12     cout.tie(NULL);
13     cin >> n >> m;
14     vector<int> num(n + 1, 0);
15     vector<vector<int>> graph(n + 1);
16     while (m--) {
17         int u, v;
18         cin >> u >> v;
19         graph[u].pb(v);
20         graph[v].pb(u);
21     }
22     num[1] = 1;
23     for (int i = 1; i <= n; i++) {
24         for (auto v : graph[i]) {
25             if (v > i) {
26                 if (num[v] == 0) {
27                     num[v] = i + 1;
28                 } else if (num[v] != 0 && num[v] != i + 1 && num[v] != i - 1) {
29                     cout << "NO" << endl;
30                     return 0;
31                 }
32             }
33         }
34     }
35     cout << "YES" << endl;
36     for (int i = 2; i <= n; i++) {
37         cout << num[i] << ' ';
38     }
39     return 0;
40 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 8 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Accepted** : ok OK, participant's solution is correct
 - Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 18 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
 - Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138142662

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 10:44:35	Puzzle in Inazuma	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 const int maxn = 100005;
11 const int inf = 0xffffffff;
12 int n, m;
13 struct node {
14     vector<int>num;
15     int ans=0;
16 }g[maxn];
17 int main() {
18     ios::sync_with_stdio(false);
19     cin.tie(0);
20     cin >> n >> m;
21     int tmp1, tmp2;
22     for (int i = 0; i < m; i++) {
23         cin >> tmp1 >> tmp2;
24         g[tmp1].num.push_back(tmp2);
25         g[tmp2].num.push_back(tmp1);
26     }
27     queue<int>q;
28     g[1].ans = 1;
29     q.push(1);
30     while (!q.empty()) {
31         int cnt = q.size();
32         int count = 0;
33         for (int i = 0; i < cnt; i++) {
34             int tmp = q.front();
35             q.pop();
36             if (i == 0)count = g[tmp].num.size();
37             else {
38                 if (count != g[tmp].num.size()) {
39                     cout << "No" << endl;
40                     return 0;
41                 }
42             }
43             for (int i = 0; i < g[tmp].num.size(); i++) {
44                 if (g[g[tmp].num[i]].ans == g[tmp].ans) {
45                     cout << "No" << endl;
```

```

46             return 0;
47         }
48         else if (g[g[tmp].num[i]].ans == 0) {
49             g[g[tmp].num[i]].ans = g[tmp].ans + 1;
50             q.push(g[tmp].num[i]);
51         }
52     }
53 }
54 }
55 cout << "Yes" << endl;
56 for (int i = 2; i <= n; i++) {
57     cout << g[i].ans << " ";
58 }
59 cout << endl;
60 }
61 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct
 - Test 5 - Accepted : ok OK, participant's solution is correct
 - Test 6 - Accepted : ok OK, participant's solution is correct
 - Test 7 - Accepted : ok OK, participant's solution is correct
 - Test 8 - Accepted : ok OK, participant's solution is correct
 - Test 9 - Accepted : ok OK, participant's solution is correct
 - Test 10 - Accepted : ok OK, participant's solution is correct
 - Test 11 - Accepted : ok OK, participant's solution is correct
 - Test 12 - Accepted : ok OK, participant's solution is correct
 - Test 13 - Accepted : ok OK, participant's solution is correct
 - Test 14 - Accepted : ok OK, participant's solution is correct
 - Test 15 - Accepted : ok OK, participant's solution is correct
 - Test 16 - Accepted : ok OK, participant's solution is correct
 - Test 17 - Accepted : ok OK, participant's solution is correct
 - Test 18 - Accepted : ok OK, participant's solution is correct
 - Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138126030

User	Time	Problem	Language	Verdict
bbbbber	2023/12/3 22:18:54	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 struct connects
5 {
6     int a = 0;
7     int b = 0;
8     int p = 0;
9 };
10 int main()
11 {
12     int judge = 0;
13     vector<connects> list= {};
14     int n, m;
15     int p, q;
16     short flag[100010] = { 0 };
17     flag[1] = 1;
18     cin >> n >> m;
19     for (int i = 1; i <= m; i++)
20     {
21         cin >> p >> q;
22         connects yusubi;
23         if (p < q)
24         {
25             yusubi.a = p;
26             yusubi.b = q;
27             list.push_back(yusubi);
28         }
29         else
30         {
31             yusubi.a = q;
32             yusubi.b = p;
33             list.push_back(yusubi);
34         }
35     }
36     int total = 1;
37     int step = 1;
38     while (total < n)
39     {
40         int f = 0;
41         for (int i = 0; i <= m - 1; i++)
42         {
43             if (flag[list[i].a] == step && flag[list[i].b] == 0)
44             {
45                 total++;
46             }
47         }
48     }
49 }
```

```

46         flag[list[i].b] = step + 1;
47         f = 1;
48         list[i].p = 1;
49     }
50     else if (flag[list[i].b] == step && flag[list[i].a] == 0)
51     {
52         total++;
53         flag[list[i].a] = step + 1;
54         f = 1;
55         list[i].p = 1;
56     }
57     else if (flag[list[i].b] == step && flag[list[i].a] > 1 &&
58 flag[list[i].a] <= step && list[i].p == 0)
59     {
60         break;
61     }
62     else if (flag[list[i].a] == step && flag[list[i].b] > 1 &&
63 flag[list[i].b] <= step && list[i].p == 0)
64     {
65         break;
66     }
67     if (f == 0)
68     {
69         cout << "NO";
70         judge = 1;
71         break;
72     }
73     step++;
74 }
75 if (judge == 0)
76 {
77     cout << "YES" << endl;
78     for (int i = 2; i <= n; i++)
79         cout << flag[i] << " ";
80 }
81 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct

- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138125950

User	Time	Problem	Language	Verdict
bbbbber	2023/12/3 22:18:18	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 struct connects
5 {
6     int a = 0;
7     int b = 0;
8     int p = 0;
9 };
10 int main()
11 {
12     int judge = 0;
13     vector<connects> list= {};
14     int n, m;
15     int p, q;
16     short flag[10001] = { 0 };
17     flag[1] = 1;
18     cin >> n >> m;
19     for (int i = 1; i <= m; i++)
20     {
21         cin >> p >> q;
22         connects yusubi;
23         if (p < q)
24         {
25             yusubi.a = p;
26             yusubi.b = q;
27             list.push_back(yusubi);
28         }
29         else
30         {
31             yusubi.a = q;
32             yusubi.b = p;
33             list.push_back(yusubi);
34         }
35     }
36     int total = 1;
37     int step = 1;
38     while (total < n)
39     {
40         int f = 0;
41         for (int i = 0; i <= m - 1; i++)
42         {
43             if (flag[list[i].a] == step && flag[list[i].b] == 0)
44             {
45                 total++;
```

```

46         flag[list[i].b] = step + 1;
47         f = 1;
48         list[i].p = 1;
49     }
50     else if (flag[list[i].b] == step && flag[list[i].a] == 0)
51     {
52         total++;
53         flag[list[i].a] = step + 1;
54         f = 1;
55         list[i].p = 1;
56     }
57     else if (flag[list[i].b] == step && flag[list[i].a] > 1 &&
58     flag[list[i].a] <= step && list[i].p == 0)
59     {
60         break;
61     }
62     else if (flag[list[i].a] == step && flag[list[i].b] > 1 &&
63     flag[list[i].b] <= step && list[i].p == 0)
64     {
65         break;
66     }
67     if (f == 0)
68     {
69         cout << "NO";
70         judge = 1;
71         break;
72     }
73     step++;
74 }
75 if (judge == 0)
76 {
77     cout << "YES" << endl;
78     for (int i = 2; i <= n; i++)
79         cout << flag[i] << " ";
80 }
81 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Runtime Error](#) :
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Runtime Error](#) :
 - Test 8 - [Runtime Error](#) :
 - Test 9 - [Runtime Error](#) :
 - Test 10 - [Runtime Error](#) :
 - Test 11 - [Runtime Error](#) :

- Test 12 - **Runtime Error** :
- Test 13 - **Runtime Error** :
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138125094

User	Time	Problem	Language	Verdict
bbbbber	2023/12/3 22:11:50	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 struct connects
5 {
6     int a = 0;
7     int b = 0;
8     int p = 0;
9 };
10 int main()
11 {
12     int judge = 0;
13     vector<connects> list= {};
14     int n, m;
15     int p, q;
16     int flag[100010] = { 0 };
17     flag[1] = 1;
18     cin >> n >> m;
19     for (int i = 1; i <= m; i++)
20     {
21         cin >> p >> q;
22         connects yusubi;
23         if (p < q)
24         {
25             yusubi.a = p;
26             yusubi.b = q;
27             list.push_back(yusubi);
28         }
29         else
30         {
31             yusubi.a = q;
32             yusubi.b = p;
33             list.push_back(yusubi);
34         }
35     }
36     int total = 1;
37     int step = 1;
38     while (total < n)
39     {
40         int f = 0;
41         for (int i = 0; i <= m - 1; i++)
42         {
43             if (flag[list[i].a] == step && flag[list[i].b] == 0)
44             {
45                 total++;
46             }
47         }
48     }
49 }
```

```

46         flag[list[i].b] = step + 1;
47         f = 1;
48         list[i].p = 1;
49     }
50     else if (flag[list[i].b] == step && flag[list[i].a] == 0)
51     {
52         total++;
53         flag[list[i].a] = step + 1;
54         f = 1;
55         list[i].p = 1;
56     }
57     else if (flag[list[i].b] == step && flag[list[i].a] > 1 &&
58 flag[list[i].a] <= step && list[i].p == 0)
59     {
60         break;
61     }
62     else if (flag[list[i].a] == step && flag[list[i].b] > 1 &&
63 flag[list[i].b] <= step && list[i].p == 0)
64     {
65         break;
66     }
67     if (f == 0)
68     {
69         cout << "NO";
70         judge = 1;
71         break;
72     }
73     step++;
74 }
75 if (judge == 0)
76 {
77     cout << "YES" << endl;
78     for (int i = 2; i <= n; i++)
79         cout << flag[i] << " ";
80 }
81 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct

- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138124852

User	Time	Problem	Language	Verdict
bbbbber	2023/12/3 22:10:09	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 using namespace std;
4 struct connects
5 {
6     int a = 0;
7     int b = 0;
8     int p = 0;
9 };
10 int main()
11 {
12     int judge = 0;
13     vector<connects> list= {};
14     int n, m;
15     int p, q;
16     short flag[100010] = { 0 };
17     flag[1] = 1;
18     cin >> n >> m;
19     for (int i = 1; i <= m; i++)
20     {
21         cin >> p >> q;
22         connects yusubi;
23         if (p < q)
24         {
25             yusubi.a = p;
26             yusubi.b = q;
27             list.push_back(yusubi);
28         }
29         else
30         {
31             yusubi.a = q;
32             yusubi.b = p;
33             list.push_back(yusubi);
34         }
35     }
36     int total = 1;
37     int step = 1;
38     while (total < n)
39     {
40         int f = 0;
41         for (int i = 0; i <= m - 1; i++)
42         {
43             if (flag[list[i].a] == step && flag[list[i].b] == 0)
44             {
45                 total++;
46             }
47         }
48     }
49 }
```

```

46         flag[list[i].b] = step + 1;
47         f = 1;
48         list[i].p = 1;
49     }
50     else if (flag[list[i].b] == step && flag[list[i].a] == 0)
51     {
52         total++;
53         flag[list[i].a] = step + 1;
54         f = 1;
55         list[i].p = 1;
56     }
57     else if (flag[list[i].b] == step && flag[list[i].a] > 1 &&
58 flag[list[i].a] <= step && list[i].p == 0)
59     {
60         break;
61     }
62     else if (flag[list[i].a] == step && flag[list[i].b] > 1 &&
63 flag[list[i].b] <= step && list[i].p == 0)
64     {
65         break;
66     }
67     if (f == 0)
68     {
69         cout << "NO";
70         judge = 1;
71         break;
72     }
73     step++;
74 }
75 if (judge == 0)
76 {
77     cout << "YES" << endl;
78     for (int i = 2; i <= n; i++)
79         cout << flag[i] << " ";
80 }
81 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 6 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 9 - [Wrong Answer](#) : wrong answer Jury finds a solution, but participant doesn't
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Accepted](#) : ok OK, participant's solution is correct

- Test 12 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 13 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 14 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 15 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 16 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 17 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't
- Test 18 - **Accepted** : ok OK, participant's solution is correct
- Test 19 - **Wrong Answer** : wrong answer Jury finds a solution, but participant doesn't

Submission 138113416

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/3 21:02:14	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 using namespace std;
5 vector<int> bfs(const vector<vector<int>>& graph, int startNode) {
6     vector<int> distance(graph.size(), -1);
7     queue<int> q;
8
9     distance[startNode] = 1; // Start from magatama count 1
10    q.push(startNode);
11
12    while (!q.empty()) {
13        int current = q.front();
14        q.pop();
15
16        for (int neighbor : graph[current]) {
17            if (distance[neighbor] == -1) {
18                distance[neighbor] = distance[current] + 1;
19                q.push(neighbor);
20            }
21        }
22    }
23
24    return distance;
25}
26 bool isValid(const vector<vector<int>>& graph, const vector<int>& distance) {
27    for (int i = 0; i < graph.size(); i++) {
28        for (int j : graph[i]) {
29            if (abs(distance[i] - distance[j]) != 1) {
30                return false;
31            }
32        }
33    }
34    return true;
35}
36
37 int main() {
38     int n, m;
39     cin >> n >> m;
40
41     vector<vector<int>> graph(n);
42     for (int i = 0; i < m; i++) {
43         int u, v;
44         cin >> u >> v;
45         u--; v--;
46
47         graph[u].push_back(v);
48         graph[v].push_back(u);
49    }
50
51    if (!isValid(graph, distance)) {
52        cout << "No" << endl;
53    } else {
54        cout << "Yes" << endl;
55    }
56}
```

```

46         graph[u].push_back(v);
47         graph[v].push_back(u);
48     }
49     vector<int> distance = bfs(graph, 0);
50
51     if (isValid(graph, distance)) {
52         cout << "YES\n";
53         for (int i = 1; i < distance.size(); i++) {
54             cout << distance[i] << " ";
55         }
56         cout << endl;
57     } else {
58         cout << "NO\n";
59     }
60
61     return 0;
62 }
63

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 1 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 2 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 3 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 4 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 5 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 6 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 7 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 8 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 9 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 10 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 11 - [Wrong Answer](#) : wrong answer The question has no solution, but participant claims it has
 - Test 12 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 13 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 14 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 15 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 16 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 17 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 18 - [Accepted](#) : ok OK, participant's solution is correct
 - Test 19 - [Accepted](#) : ok OK, participant's solution is correct

Submission 138098606

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 19:54:41	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=2e5+10;
4 vector<int> edge[N];
5 queue<int> q;
6 int d[N];bool vis[N];
7 int main(){
8     int n,m;cin>>n>>m;
9     for(int i=1;i<=m;i++){
10         int u,v;
11         cin>>u>>v;
12         if(u==v){
13             cout<<"NO\n";
14             return 0;
15         }
16         edge[u].push_back(v);
17         edge[v].push_back(u);
18     }
19     int sum=0;
20     q.push(1);vis[1]=true;d[1]=1;
21     while(!q.empty()){
22         sum++;
23         int x=q.front();q.pop();
24         for(auto y:edge[x]){
25             if(!vis[y]){
26                 d[y]=d[x]+1;
27                 vis[y]=1;
28                 q.push(y);
29             }else{
30                 if(d[y]!=d[x]+1&&d[y]!=d[x]-1){
31                     cout<<"NO\n";
32                     return 0;
33                 }
34             }
35         }
36     }
37     if(sum!=n){
38         cout<<"NO\n";
39         return 0;
40     }
41     cout<<"YES\n";
42     for(int i=2;i<=n;i++)cout<<d[i]<<' ';
43 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Accepted** : ok OK, participant's solution is correct
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Accepted** : ok OK, participant's solution is correct
 - Test 8 - **Accepted** : ok OK, participant's solution is correct
 - Test 9 - **Accepted** : ok OK, participant's solution is correct
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 12 - **Accepted** : ok OK, participant's solution is correct
 - Test 13 - **Accepted** : ok OK, participant's solution is correct
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138098391

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 19:53:42	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=2e5+10;
4 vector<int> edge[N];
5 queue<int> q;
6 int d[N];bool vis[N];
7 int main(){
8     int n,m;cin>>n>>m;
9     for(int i=1;i<=m;i++){
10         int u,v;
11         cin>>u>>v;
12         edge[u].push_back(v);
13         edge[v].push_back(u);
14     }
15     int sum=0;
16     q.push(1);vis[1]=true;d[1]=1;
17     while(!q.empty()){
18         sum++;
19         int x=q.front();q.pop();
20         for(auto y:edge[x]){
21             if(!vis[y]){
22                 d[y]=d[x]+1;
23                 vis[y]=1;
24                 q.push(y);
25             }else{
26                 if(d[y]!=d[x]+1&&d[y]!=d[x]-1){
27                     cout<<"NO\n";
28                     return 0;
29                 }
30             }
31         }
32     }
33     if(sum!=n){
34         cout<<"NO\n";
35         return 0;
36     }
37     cout<<"YES\n";
38     for(int i=2;i<=n;i++)cout<<d[i]<<' ';
39 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok OK, participant's solution is correct
 - Test 1 - **Accepted** : ok OK, participant's solution is correct
 - Test 2 - **Accepted** : ok OK, participant's solution is correct
 - Test 3 - **Accepted** : ok OK, participant's solution is correct
 - Test 4 - **Accepted** : ok OK, participant's solution is correct
 - Test 5 - **Accepted** : ok OK, participant's solution is correct
 - Test 6 - **Accepted** : ok OK, participant's solution is correct
 - Test 7 - **Accepted** : ok OK, participant's solution is correct
 - Test 8 - **Accepted** : ok OK, participant's solution is correct
 - Test 9 - **Accepted** : ok OK, participant's solution is correct
 - Test 10 - **Accepted** : ok OK, participant's solution is correct
 - Test 11 - **Wrong Answer** : wrong answer The question has no solution, but participant claims it has
 - Test 12 - **Accepted** : ok OK, participant's solution is correct
 - Test 13 - **Accepted** : ok OK, participant's solution is correct
 - Test 14 - **Accepted** : ok OK, participant's solution is correct
 - Test 15 - **Accepted** : ok OK, participant's solution is correct
 - Test 16 - **Accepted** : ok OK, participant's solution is correct
 - Test 17 - **Accepted** : ok OK, participant's solution is correct
 - Test 18 - **Accepted** : ok OK, participant's solution is correct
 - Test 19 - **Accepted** : ok OK, participant's solution is correct

Submission 138097999

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 19:51:57	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=2e5+10;
4 vector<int> edge[N];
5 queue<int> q;
6 int d[N];bool vis[N];
7 int main(){
8     int n,m;cin>>n>>m;
9     for(int i=1;i<=m;i++){
10         int u,v;
11         cin>>u>>v;
12         edge[u].push_back(v);
13         edge[v].push_back(u);
14     }
15     q.push(1);vis[1]=true;d[1]=1;
16     while(!q.empty()){
17         int x=q.front();q.pop();
18         for(auto y:edge[x]){
19             if(!vis[y]){
20                 d[y]=d[x]+1;
21                 vis[y]=1;
22                 q.push(y);
23             }else{
24                 if(d[y]!=d[x]+1&&d[y]!=d[x]-1){
25                     cout<<"NO\n";
26                     return 0;
27                 }
28             }
29         }
30     }
31     cout<<"YES\n";
32     for(int i=2;i<=n;i++)cout<<d[i]<<' ';
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct

- Test 5 - Accepted : ok OK, participant's solution is correct
- Test 6 - Accepted : ok OK, participant's solution is correct
- Test 7 - Accepted : ok OK, participant's solution is correct
- Test 8 - Accepted : ok OK, participant's solution is correct
- Test 9 - Accepted : ok OK, participant's solution is correct
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
- Test 12 - Accepted : ok OK, participant's solution is correct
- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

Submission 138097302

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 19:48:50	Puzzle in Inazuma	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=1e5+10;
4 vector<int> edge[N];
5 int d[N];bool vis[N];
6 int main(){
7     int n,m;cin>>n>>m;
8     for(int i=1;i<=m;i++){
9         int u,v;
10        cin>>u>>v;
11        edge[u].push_back(v);
12        edge[v].push_back(u);
13    }
14    queue<int> q;
15    q.push(1);vis[1]=true;d[1]=1;
16    while(!q.empty()){
17        int x=q.front();q.pop();
18        for(auto y:edge[x]){
19            if(!vis[y]){
20                d[y]=d[x]+1;
21                vis[y]=1;
22                q.push(y);
23            }else{
24                if(d[y]!=d[x]+1&&d[y]!=d[x]-1){
25                    cout<<"NO\n";
26                    return 0;
27                }
28            }
29        }
30    }
31    cout<<"YES\n";
32    for(int i=2;i<=n;i++)cout<<d[i]<<' ';
33 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok OK, participant's solution is correct
 - Test 1 - Accepted : ok OK, participant's solution is correct
 - Test 2 - Accepted : ok OK, participant's solution is correct
 - Test 3 - Accepted : ok OK, participant's solution is correct
 - Test 4 - Accepted : ok OK, participant's solution is correct

- Test 5 - Accepted : ok OK, participant's solution is correct
- Test 6 - Accepted : ok OK, participant's solution is correct
- Test 7 - Accepted : ok OK, participant's solution is correct
- Test 8 - Accepted : ok OK, participant's solution is correct
- Test 9 - Accepted : ok OK, participant's solution is correct
- Test 10 - Accepted : ok OK, participant's solution is correct
- Test 11 - Wrong Answer : wrong answer The question has no solution, but participant claims it has
- Test 12 - Accepted : ok OK, participant's solution is correct
- Test 13 - Accepted : ok OK, participant's solution is correct
- Test 14 - Accepted : ok OK, participant's solution is correct
- Test 15 - Accepted : ok OK, participant's solution is correct
- Test 16 - Accepted : ok OK, participant's solution is correct
- Test 17 - Accepted : ok OK, participant's solution is correct
- Test 18 - Accepted : ok OK, participant's solution is correct
- Test 19 - Accepted : ok OK, participant's solution is correct

D. Card Game in Mondstant

Submission Summary:

- Accepted: 15
- Tried: 72

Submission 139285421

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 11:22:22	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 factorial_cache = {} # 用于存储计算过的阶乘值
2 MOD = 998244353
3
4
5 def jiecheng(num: int):
6     if num in factorial_cache:
7         return factorial_cache[num]
8     result = 1
9     for i in range(2, num + 1):
10        result *= i
11        result %= MOD # 在计算过程中取模运算
12    factorial_cache[num] = result
13    return result
14
15
16 def inverse_mod(n):
17     return pow(n, MOD - 2, MOD)
18
19
20 def count_operations(k):
21     total_combinations = 0
22     for z in range(k // 2 + 1):
23         for x in range(k - 2 * z + 1):
24             for y in range(k + 1 - x - 2 * z):
25                 if x + y + 2 * z == k: # 确保总次数等于 k
26                     combinations = (jiecheng(k - z) / (
27                         jiecheng(z) * inverse_mod(jiecheng(x) *
jiecheng(y) % MOD)) % MOD
28                     total_combinations += combinations
29
30     return int(total_combinations)
31
32
33 # 测试
34 k = int(input())
35 result = count_operations(k)
36 print(f"有 {k} 个骰子时的操作方案数为: {result}")
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Expected integer, but "有" found
 - Test 1 - [Wrong Answer](#) : wrong output format Expected integer, but "有" found
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Wrong Answer](#) : wrong output format Expected integer, but "有" found
 - Test 5 - [Wrong Answer](#) : wrong output format Expected integer, but "有" found
 - Test 6 - [Wrong Answer](#) : wrong output format Expected integer, but "有" found
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Time Limit Exceeded](#) :
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :
 - Test 21 - [Time Limit Exceeded](#) :
 - Test 22 - [Time Limit Exceeded](#) :
 - Test 23 - [Time Limit Exceeded](#) :
 - Test 24 - [Time Limit Exceeded](#) :

Submission 139283243

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 10:52:28	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 MOD = 998244353
2
3
4 def count_operations(k):
5     if k <= 0:
6         return 0
7     dp = [0] * (k + 1)
8     dp[0] = 1 # 初始状态，没有骰子时有一种方案
9     dp[1] = 2
10
11    for i in range(1, k + 1):
12        dp[i] = dp[i - 1] + dp[i - 1] + dp[i - 2]
13        dp[i] %= MOD
14
15    return dp[k]
16
17
18 # 举个例子
19 k = int(input())
20 result = count_operations(k)
21 print(result)
22
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer 1st numbers differ - expected: '2', found: '4'
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"

- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Memory Limit Exceeded :
- Test 14 - Memory Limit Exceeded :
- Test 15 - Memory Limit Exceeded :
- Test 16 - Memory Limit Exceeded :
- Test 17 - Runtime Error :
- Test 18 - Runtime Error :
- Test 19 - Runtime Error :
- Test 20 - Runtime Error :
- Test 21 - Runtime Error :
- Test 22 - Runtime Error :
- Test 23 - Runtime Error :
- Test 24 - Runtime Error :

Submission 139283174

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 10:51:29	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 MOD = 998244353
2
3
4 def count_operations(k):
5     dp = [0] * (k + 1)
6     dp[0] = 1 # 初始状态，没有骰子时有一种方案
7     dp[1] = 2
8
9     for i in range(1, k + 1):
10         dp[i] = dp[i - 1] + dp[i - 1] + dp[i - 2]
11         dp[i] %= MOD
12
13     return dp[k]
14
15
16 # 举个例子
17 k = int(input())
18 result = count_operations(k)
19 print(result)
20
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer 1st numbers differ - expected: '2', found: '4'
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"

- Test 13 - [Memory Limit Exceeded](#) :
- Test 14 - [Memory Limit Exceeded](#) :
- Test 15 - [Memory Limit Exceeded](#) :
- Test 16 - [Memory Limit Exceeded](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 139272097

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/12 00:05:49	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int MOD = 998244353;
4 typedef vector<vector<long long>> Matrix;
5 Matrix multiply(const Matrix& A, const Matrix& B) {
6     int rows = A.size();
7     int cols = B[0].size();
8     int common = A[0].size();
9     Matrix result(rows, vector<long long>(cols, 0));
10    for (int i = 0; i < rows; i++) {
11        for (int j = 0; j < cols; j++) {
12            for (int k = 0; k < common; k++) {
13                result[i][j] += (A[i][k] * B[k][j]) % MOD;
14            }
15        }
16    }
17    return result;
18 }
19
20 Matrix matrixPower(const Matrix& A, long long n) {
21     Matrix result = { {1, 0}, {0, 1} };
22     Matrix base = A;
23     while (n > 0) {
24         if (n % 2 == 1) {
25             result = multiply(result, base);
26         }
27         base = multiply(base, base);
28         n /= 2;
29     }
30     return result;
31 }
32
33 int main() {
34     Matrix A = { {2, 1}, {1, 0} };
35     long long n;
36     cin >> n;
37     Matrix result = matrixPower(A, n);
38     cout << (result[0][1] * 2 + result[1][1]) % MOD;
39     return 0;
40 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 139270290

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:34:09	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <limits>
5
6 using namespace std;
7
8 const int INF = numeric_limits<int>::max();
9
10 struct Edge {
11     int to, weight;
12     bool isBlue;
13 };
14
15 int dijkstra(vector<vector<Edge>>& graph, int start, int end) {
16     int n = graph.size();
17     vector<int> dist(n, INF);
18     vector<bool> visited(n, false);
19
20     dist[start] = 0;
21     priority_queue<pair<int, int>, vector<pair<int, int>>, greater<pair<int,
int>>> pq;
22     pq.push({0, start});
23
24     while (!pq.empty()) {
25         int u = pq.top().second;
26         pq.pop();
27
28         if (visited[u]) continue;
29         visited[u] = true;
30
31         for (const Edge& e : graph[u]) {
32             int v = e.to;
33             int w = e.weight;
34
35             if (!e.isBlue) { // Red edge
36                 if (dist[v] > dist[u] + w) {
37                     dist[v] = dist[u] + w;
38                     pq.push({dist[v], v});
39                 }
40             } else { // Blue edge
41                 if (dist[u] + w < dist[v] && dist[u] != INF && dist[v] !=
INF) {
42                     dist[v] = dist[u] + w;
43                 }
44             }
45         }
46     }
47 }
```

```

43             pq.push({dist[v], v});
44         }
45     }
46 }
47
48     return dist[end] == INF ? -1 : dist[end];
49 }
50
51
52 int main() {
53     int n, m, k;
54     cin >> n >> m >> k;
55
56     int numVertices = n + 2;
57     vector<vector<Edge>> graph(numVertices);
58
59     while (m--) {
60         int u, v, w;
61         cin >> u >> v >> w;
62         graph[u].push_back({v, w, false});
63         graph[v].push_back({u, w, false});
64     }
65
66     while (k--) {
67         int u, v, w;
68         cin >> u >> v >> w;
69         graph[u].push_back({v, w, true});
70         graph[v].push_back({u, w, true});
71     }
72
73     int shortestPath = dijkstra(graph, 1, 2);
74     cout << shortestPath << endl;
75
76     return 0;
77 }
78

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2', found: '-1'
 - Test 1 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '12', found: '-1'
 - Test 2 - [Runtime Error](#) :
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '-1'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '-1'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '-1'
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '-1'

- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '-1'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '-1'
- Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '939844333', found: '-1'
- Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '-1'
- Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '-1'
- Test 13 - [Memory Limit Exceeded](#) :
- Test 14 - [Memory Limit Exceeded](#) :
- Test 15 - [Memory Limit Exceeded](#) :
- Test 16 - [Runtime Error](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 139270180

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:32:45	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const int MOD = 998244353;
7
8 int waysToUseDice(int k) {
9     vector<int> dp(k + 1, 0);
10    dp[0] = 1;
11
12    for (int i = 1; i <= k; ++i) {
13        for (int j = 0; j <= i - 1; ++j) {
14            dp[i] = (dp[i] + 1LL * dp[j] * dp[i - 1 - j]) % MOD;
15        }
16    }
17
18    return dp[k];
19}
20
21 int main() {
22     int k;
23     cin >> k;
24
25     int result = waysToUseDice(k);
26     cout << result << endl;
27
28     return 0;
29}
30
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer 1st numbers differ - expected: '2', found: '1'
 - Test 1 - Wrong Answer : wrong answer 1st numbers differ - expected: '12', found: '5'
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Wrong Answer : wrong answer 1st numbers differ - expected: '928295455', found: '117336529'

- Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '51209616'
- Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '4862'
- Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '118840787'
- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '818222414'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '270990589'
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Time Limit Exceeded](#) :
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Memory Limit Exceeded](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 139270080

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:31:27	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const int MOD = 998244353;
7
8 int waysToUseDice(int k) {
9     vector<int> dp(k + 1, 0);
10    dp[0] = 1;
11
12    for (int i = 1; i <= k; ++i) {
13        for (int j = 0; j <= i - 1; ++j) {
14            dp[i] = (dp[i] + 1LL * dp[j] * dp[i - 1 - j]) % MOD;
15        }
16    }
17
18    return dp[k];
19}
20
21 int main() {
22     int k;
23     cin >> k;
24
25     int result = waysToUseDice(k);
26     cout << result << endl;
27
28     return 0;
29}
30
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer 1st numbers differ - expected: '2', found: '1'
 - Test 1 - Wrong Answer : wrong answer 1st numbers differ - expected: '12', found: '5'
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Wrong Answer : wrong answer 1st numbers differ - expected: '928295455', found: '117336529'

- Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '51209616'
- Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '4862'
- Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '118840787'
- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '818222414'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '270990589'
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Time Limit Exceeded](#) :
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Memory Limit Exceeded](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 139269969

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:30:01	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const int MOD = 998244353;
7
8 int main() {
9     int k;
10    cin >> k;
11
12    vector<int> dp(k + 1, 0);
13    dp[0] = 1;
14
15    for (int i = 1; i <= k; ++i) {
16        for (int j = 0; j <= i - 1; ++j) {
17            dp[i] = (dp[i] + dp[j] * 1LL * dp[i - 1 - j]) % MOD;
18        }
19    }
20
21    cout << dp[k] << endl;
22
23    return 0;
24}
25
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2', found: '1'
 - Test 1 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '12', found: '5'
 - Test 2 - [Runtime Error](#) :
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '117336529'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '51209616'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '4862'

- Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '118840787'
- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '818222414'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '270990589'
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Time Limit Exceeded](#) :
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Memory Limit Exceeded](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 139269960

User	Time	Problem	Language	Verdict
DI653781	2023/12/11 23:29:51	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const int MOD = 998244353;
7
8 int main() {
9     int k;
10    cin >> k;
11
12    vector<int> dp(k + 1, 0);
13    dp[0] = 1;
14
15    for (int i = 1; i <= k; ++i) {
16        for (int j = 0; j <= i - 1; ++j) {
17            dp[i] = (dp[i] + (1LL * dp[j] * dp[i - 1 - j]) % MOD) % MOD;
18        }
19    }
20
21    cout << dp[k] << endl;
22
23    return 0;
24}
25
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2', found: '1'
 - Test 1 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '12', found: '5'
 - Test 2 - [Runtime Error](#) :
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '117336529'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '51209616'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '4862'

- Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '118840787'
- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '818222414'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '270990589'
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Time Limit Exceeded](#) :
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Memory Limit Exceeded](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 139254563

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 21:35:45	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int MOD = 998244353;
4 int solve(int k) {
5     vector<int> dp(k + 1, 0);
6     dp[0] = 1;
7     dp[1] = 2;
8     for (int i = 2; i <= k; i++)
9         dp[i] = (2 * dp[i - 1] % MOD + dp[i - 2]) % MOD;
10    return dp[k];
11 }
12 int main() {
13     long long k;
14     cin >> k;
15     int result = solve(k);
16     cout << result;
17     return 0;
18 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Memory Limit Exceeded :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"

- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Memory Limit Exceeded :
- Test 17 - Runtime Error :
- Test 18 - Runtime Error :
- Test 19 - Memory Limit Exceeded :
- Test 20 - Memory Limit Exceeded :
- Test 21 - Runtime Error :
- Test 22 - Runtime Error :
- Test 23 - Runtime Error :
- Test 24 - Runtime Error :

Submission 139253961

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/11 21:32:38	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int MOD = 998244353;
4 int solve(int k) {
5     vector<int> dp(k + 1, 0);
6     dp[0] = 1;
7     dp[1] = 2;
8     for (int i = 2; i <= k; i++)
9         dp[i] = (2 * dp[i - 1] % MOD + dp[i - 2]) % MOD;
10    return dp[k];
11 }
12 int main() {
13     int k;
14     cin >> k;
15     int result = solve(k);
16     cout << result;
17     return 0;
18 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"

- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Memory Limit Exceeded :
- Test 17 - Runtime Error :
- Test 18 - Runtime Error :
- Test 19 - Runtime Error :
- Test 20 - Runtime Error :
- Test 21 - Runtime Error :
- Test 22 - Runtime Error :
- Test 23 - Runtime Error :
- Test 24 - Runtime Error :

Submission 138984014

User	Time	Problem	Language	Verdict
asdf46	2023/12/9 23:35:47	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 typedef long long LL;
4 const int M = 2;      //A矩阵的维度
5 struct Matrix{
6     LL a[M][M];
7     Matrix(){          //初始化
8         memset(a, 0, sizeof(a));
9     }
10    //可以转化，也可以不转，根据需求
11    void unit(){
12        a[0][0] = a[1][1] = 1;
13        a[0][1] = a[1][0] = 0;
14    }
15    //乘法的算符重载
16    Matrix operator*(const Matrix &B) const {
17        Matrix ans;
18        for(int i = 0; i < M; i++){
19            for(int j = 0; j < M; j++){
20                for(int k = 0; k < M; k++){
21                    ans.a[i][j] += a[i][k] * B.a[k][j];
22                    ans.a[i][j] = ans.a[i][j] % 998244353;
23                }
24            }
25        }
26        return ans;
27    }
28    //类似整数快速幂的操作
29    Matrix operator^(int n) const {
30        Matrix ans;
31        ans.unit();
32        Matrix A = *this;
33        while(n){
34            if(n & 1){
35                ans = ans * A;
36            }
37            A = A * A;
38            n >= 1;
39        }
40        return ans;
41    }
42 };
43 int main(){
44     Matrix A;
```

```

45     A.a[0][0] = 0;
46     A.a[0][1] = A.a[1][0] = 1;
47     A.a[1][1] = 2;
48     Matrix F;
49     F.a[0][0] = 2; F.a[1][0] = 5;
50     F.a[0][1] = F.a[1][1] = 0;
51     LL k;
52     cin>>k;k=k-2;
53     Matrix ans = (A^k)*F;
54     cout<<ans.a[1][0];
55     return 0;
56 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) :
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
 - Test 21 - [Time Limit Exceeded](#) :
 - Test 22 - [Time Limit Exceeded](#) :
 - Test 23 - [Time Limit Exceeded](#) :

- Test 24 - [Time Limit Exceeded](#) :

Submission 138983809

User	Time	Problem	Language	Verdict
asdf46	2023/12/9 23:33:17	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 typedef long long LL;
4 const int M = 2;      //A矩阵的维度
5 struct Matrix{
6     LL a[M][M];
7     Matrix(){          //初始化
8         memset(a, 0, sizeof(a));
9     }
10    //可以转化，也可以不转，根据需求
11    void unit(){
12        a[0][0] = a[1][1] = 1;
13        a[0][1] = a[1][0] = 0;
14    }
15    //乘法的算符重载
16    Matrix operator*(const Matrix &B) const {
17        Matrix ans;
18        for(int i = 0; i < M; i++){
19            for(int j = 0; j < M; j++){
20                for(int k = 0; k < M; k++){
21                    ans.a[i][j] += a[i][k] * B.a[k][j];
22                    ans.a[i][j] = ans.a[i][j] % 998244353;
23                }
24            }
25        }
26        return ans;
27    }
28    //类似整数快速幂的操作
29    Matrix operator^(int n) const {
30        Matrix ans;
31        ans.unit();
32        Matrix A = *this;
33        while(n){
34            if(n & 1){
35                ans = ans * A;
36            }
37            A = A * A;
38            n >= 1;
39        }
40        return ans;
41    }
42 };
43 int main(){
44     Matrix A;
```

```

45     A.a[0][0] = 0;
46     A.a[0][1] = A.a[1][0] = 1;
47     A.a[1][1] = 2;
48     Matrix F;
49     F.a[0][0] = 2; F.a[1][0] = 5;
50     F.a[0][1] = F.a[1][1] = 0;
51     LL k;
52     cin>>k;k=k-2;
53     Matrix ans = (A^k)*F;
54     cout<<ans.a[1][0];
55     return 0;
56 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Time Limit Exceeded](#) :
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
 - Test 21 - [Time Limit Exceeded](#) :
 - Test 22 - [Time Limit Exceeded](#) :
 - Test 23 - [Time Limit Exceeded](#) :

- Test 24 - [Time Limit Exceeded](#) :

Submission 138982613

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 23:18:44	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4 const int P = 998244353;
5
6 int main() {
7
8     long long k;
9     cin >> k;
10    vector<long long> dp(k, 0);
11
12    for(long long i = 0;i < k;i++){
13        if(i==0){
14            dp[i] = 2;
15        }
16        else if(i == 1){
17            dp[i] = 5;
18        }
19        else{
20            //dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
21            dp[i] = (dp[i-1] << 1) % P + dp[i-2] %P;
22
23        }
24    }
25    //cout<<dp.size();
26
27    cout << dp[k-1]%P;
28
29    return 0;
30 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"

- Test 7 - Accepted : ok 1 number(s): "721426304"
- Test 8 - Accepted : ok 1 number(s): "306651677"
- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Memory Limit Exceeded :
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Memory Limit Exceeded :
- Test 17 - Runtime Error :
- Test 18 - Runtime Error :
- Test 19 - Runtime Error :
- Test 20 - Runtime Error :
- Test 21 - Runtime Error :
- Test 22 - Runtime Error :
- Test 23 - Runtime Error :
- Test 24 - Runtime Error :

Submission 138982252

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 23:14:08	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 // #include <iostream>
2 // #include <vector>
3 // using namespace std;
4 // const int P = 998244353;
5
6 // int main() {
7
8 //     long long k;
9 //     cin >> k;
10 //     vector<long long> dp(k, 0);
11
12 //     for(long long i = 0;i < k;i++){
13 //         if(i==0){
14 //             dp[i] = 2;
15 //
16 //         }
17 //         else if(i == 1){
18 //             dp[i] = 5;
19 //         }
20 //         else{
21 //             dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
22 //         }
23 //     }
24 //     //cout<<dp.size();
25
26 //     cout << dp[k-1];
27
28 //     return 0;
29 // }
30
31 #include <iostream>
32 #include <vector>
33 #include <cmath>
34
35 using namespace std;
36 const int P = 998244353;
37 #define MAXN 2000001
38
39 int INV[MAXN];
40
41 void init_inv(int n) {
42     INV[1] = 1;
43     for (int i = 2; i <= n; i++) {
44         INV[i] = 1LL * (P - P / i) * INV[P % i] % P;
45     }
}
```

```

46 }
47 // long long POWER(long long x, long long n){
48 //     long long r=1;
49 //     while(n>0){
50 //         if (n % 2==1){
51 //             r=r*x%P;
52 //         }
53 //         x = x%P;
54 //         x = x*x%P;
55 //         n = n/2;
56
57 //     }
58 //     return r;
59 //}
60 long double POWER(long double x, long long n){
61     long double r=1;
62     while(n>0){
63         if (n % 2==1){
64             r = fmod(r*x,P);
65             //r=r*x%P;
66         }
67         //x = fmod(x,P);
68         x = fmod(x*x,P);
69         n = n/2;
70
71     }
72     return r;
73 }
74
75
76 int main() {
77
78     double k;
79     cin >> k;
80     double res;
81     //cout<<POWER(2,5);
82     //long double p1 = fmod(POWER(1-sqrt(2),k-1),P);
83     //long double p2 = fmod(POWER(1+sqrt(2),k-1),P);
84     double p1 = fmod(POWER(1-sqrt(2),k-1),P);
85     double p2 = fmod(POWER(1+sqrt(2),k-1),P);
86     res = (1-3*sqrt(2)/4)*p1+(1+3*sqrt(2)/4)*p2;
87     //res = (1-3*sqrt(2)/4)*POWER(1-sqrt(2),k-1)+  

88     (1+3*sqrt(2)/4)*POWER(1+sqrt(2),k-1);
89
90     cout<< static_cast<int>(res);
91
92     // vector<long long> dp(k, 0);
93
94     // for(long long i = 0;i < k;i++){
95     //     if(i==0){
96     //         dp[i] = 2;
97     //     }
98     //     else if(i == 1){
99     //         dp[i] = 5;
100    //     }

```

```

101     //      else{
102     //          dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
103     //      }
104     // }
105     // //cout<<dp.size();
106
107
108
109     return 0;
110 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '1213771243'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '394330223'
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '1710703649'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '530182977'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '2377'
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '734333468'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '2023250739'
 - Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '1859923737'
 - Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '939844333', found: '1730296652'
 - Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '1878177089'
 - Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '1629084388'
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '655481282', found: '1683289085'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4717204', found: '2022388105'
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '233325780', found: '1959534308'
 - Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '739177717', found: '683467490'

- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '976262708'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '1268810003'
- Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '788761792'
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '108098057'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '1487594045'
- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '1605028726'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '1073803878'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '982887725'

Submission 138981665

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 23:07:11	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <cmath>
4
5 using namespace std;
6 const int P = 998244353;
7 #define MAXN 2000001
8
9 int INV[MAXN];
10
11 void init_inv(int n) {
12     INV[1] = 1;
13     for (int i = 2; i <= n; i++) {
14         INV[i] = 1LL * (P - P / i) * INV[P % i] % P;
15     }
16 }
17 // long long POWER(long long x, long long n){
18 //     long long r=1;
19 //     while(n>0){
20 //         if (n % 2==1){
21 //             r=r*x%P;
22 //         }
23 //         x = x%P;
24 //         x = x*x%P;
25 //         n = n/2;
26 //
27 //     }
28 //     return r;
29 //}
30 long double POWER(long double x, long long n){
31     long double r=1;
32     while(n>0){
33         if (n % 2==1){
34             r = fmod(r*x,P);
35             //r=r*x%P;
36         }
37         x = fmod(x,P);
38         x = fmod(x*x,P);
39         n = n/2;
40
41     }
42     return r;
43 }
```

```

46 int main() {
47
48     long double k;
49     cin >> k;
50     long double res;
51     //cout<<POWER(2,5);
52     long double p1 = fmod(POWER(1-sqrt(2),k-1),P);
53     long double p2 = fmod(POWER(1+sqrt(2),k-1),P);
54     res = fmod((1-3*sqrt(2)/4)*p1,P)+fmod((1+3*sqrt(2)/4)*p2,P);
55     cout<< static_cast<int>(res);
56
57     // vector<long long> dp(k, 0);
58
59     // for(long long i = 0;i < k;i++){
60     //     if(i==0){
61     //         dp[i] = 2;
62
63     //     }
64     //     else if(i == 1){
65     //         dp[i] = 5;
66     //     }
67     //     else{
68     //         dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
69     //     }
70     // }
71     // //cout<<dp.size();
72
73
74
75     return 0;
76 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '12', found: '11'
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '215526890'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '394330223'
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '712459296'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '530182977'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '2377'
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '734333468'

- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '26762033'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '861679384'
- Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '939844333', found: '732052299'
- Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '879932736'
- Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '630840035'
- Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '655481282', found: '685044732'
- Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4717204', found: '25899399'
- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '233325780', found: '961289955'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '739177717', found: '683467490'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '976262708'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '270565650'
- Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '788761792'
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '108098057'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '489349692'
- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '606784373'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '75559525'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '982887725'

Submission 138976823

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 22:24:56	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 // #include <iostream>
2 // #include <vector>
3 // using namespace std;
4 // const int P = 998244353;
5
6 // int main() {
7
8 //     long long k;
9 //     cin >> k;
10 //     vector<long long> dp(k, 0);
11
12 //     for(long long i = 0;i < k;i++){
13 //         if(i==0){
14 //             dp[i] = 2;
15 //
16 //         }
17 //         else if(i == 1){
18 //             dp[i] = 5;
19 //         }
20 //         else{
21 //             dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
22 //         }
23 //     }
24 //     //cout<<dp.size();
25
26 //     cout << dp[k-1];
27
28 //     return 0;
29 // }
30
31 #include <iostream>
32 #include <vector>
33 #include <cmath>
34
35 using namespace std;
36 const int P = 998244353;
37 #define MAXN 2000001
38
39 int INV[MAXN];
40
41 void init_inv(int n) {
42     INV[1] = 1;
43     for (int i = 2; i <= n; i++) {
44         INV[i] = 1LL * (P - P / i) * INV[P % i] % P;
45     }
}
```

```

46 }
47 // long long POWER(long long x, long long n){
48 //     long long r=1;
49 //     while(n>0){
50 //         if (n % 2==1){
51 //             r=r*x%P;
52 //         }
53 //         x = x%P;
54 //         x = x*x%P;
55 //         n = n/2;
56
57 //     }
58 //     return r;
59 // }
60 // double POWER(double x, double n){
61 //     double r=1;
62 //     while(n>0){
63 //         if (n % 2==1){
64 //             r=r*x%P;
65 //         }
66 //         x = x%P;
67 //         x = x*x%P;
68 //         n = n/2;
69
70 //     }
71 //     return r;
72 // }
73
74
75 int main() {
76
77     double k;
78     cin >> k;
79     double res;
80     //cout<<POWER(2,5);
81     res = (1-3*sqrt(2)/4)*pow(1-sqrt(2),k-1) +
82     (1+3*sqrt(2)/4)*pow(1+sqrt(2),k-1);
83     cout<< static_cast<int>(res);
84
85     // vector<long long> dp(k, 0);
86
87     // for(long long i = 0;i < k;i++){
88     //     if(i==0){
89     //         dp[i] = 2;
90     //     }
91     //     else if(i == 1){
92     //         dp[i] = 5;
93     //     }
94     //     else{
95     //         dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
96     //     }
97     // }
98     // //cout<<dp.size();
99
100

```

```
101
102     return 0;
103 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '-2147483648'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '-2147483648'
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '-2147483648'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '-2147483648'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '2377'
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '-2147483648'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '-2147483648'
 - Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '-2147483648'
 - Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '939844333', found: '-2147483648'
 - Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '-2147483648'
 - Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '-2147483648'
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '655481282', found: '-2147483648'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4717204', found: '-2147483648'
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '233325780', found: '-2147483648'
 - Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '739177717', found: '-2147483648'
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '-2147483648'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '-2147483648'

- Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '-2147483648'
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '-2147483648'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '-2147483648'
- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '-2147483648'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '-2147483648'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '-2147483648'

Submission 138976743

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 22:24:13	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 // #include <iostream>
2 // #include <vector>
3 // using namespace std;
4 // const int P = 998244353;
5
6 // int main() {
7
8 //     long long k;
9 //     cin >> k;
10 //     vector<long long> dp(k, 0);
11
12 //     for(long long i = 0;i < k;i++){
13 //         if(i==0){
14 //             dp[i] = 2;
15 //
16 //         }
17 //         else if(i == 1){
18 //             dp[i] = 5;
19 //         }
20 //         else{
21 //             dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
22 //         }
23 //     }
24 //     //cout<<dp.size();
25
26 //     cout << dp[k-1];
27
28 //     return 0;
29 // }
30
31 #include <iostream>
32 #include <vector>
33 #include <cmath>
34
35 using namespace std;
36 const int P = 998244353;
37 #define MAXN 2000001
38
39 int INV[MAXN];
40
41 void init_inv(int n) {
42     INV[1] = 1;
43     for (int i = 2; i <= n; i++) {
44         INV[i] = 1LL * (P - P / i) * INV[P % i] % P;
45     }
}
```

```

46 }
47 // long long POWER(long long x, long long n){
48 //     long long r=1;
49 //     while(n>0){
50 //         if (n % 2==1){
51 //             r=r*x%P;
52 //         }
53 //         x = x%P;
54 //         x = x*x%P;
55 //         n = n/2;
56
57 //     }
58 //     return r;
59 // }
60 // double POWER(double x, double n){
61 //     double r=1;
62 //     while(n>0){
63 //         if (n % 2==1){
64 //             r=r*x%P;
65 //         }
66 //         x = x%P;
67 //         x = x*x%P;
68 //         n = n/2;
69
70 //     }
71 //     return r;
72 // }
73
74
75 int main() {
76
77     double k;
78     cin >> k;
79     double res;
80     //cout<<POWER(2,5);
81     res = (1-3*sqrt(2)/4)*pow(1-sqrt(2),k) +
82         (1+3*sqrt(2)/4)*pow(1+sqrt(2),k);
83     cout<< static_cast<int>(res);
84
85     // vector<long long> dp(k, 0);
86
87     // for(long long i = 0;i < k;i++){
88     //     if(i==0){
89     //         dp[i] = 2;
90     //     }
91     //     else if(i == 1){
92     //         dp[i] = 5;
93     //     }
94     //     else{
95     //         dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
96     //     }
97     // }
98     // //cout<<dp.size();
99
100

```

```
101
102     return 0;
103 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2', found: '5'
 - Test 1 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '12', found: '29'
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '-2147483648'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '-2147483648'
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '-2147483648'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '-2147483648'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '5740'
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '-2147483648'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '-2147483648'
 - Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '-2147483648'
 - Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '939844333', found: '-2147483648'
 - Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '-2147483648'
 - Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '-2147483648'
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '655481282', found: '-2147483648'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4717204', found: '-2147483648'
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '233325780', found: '-2147483648'
 - Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '739177717', found: '-2147483648'
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '-2147483648'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '-2147483648'

- Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '-2147483648'
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '-2147483648'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '-2147483648'
- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '-2147483648'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '-2147483648'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '-2147483648'

Submission 138976358

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 22:21:37	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1
2
3 #include <iostream>
4 #include <vector>
5 #include <cmath>
6
7 using namespace std;
8 const int P = 998244353;
9
10 int main() {
11
12     float k;
13     cin >> k;
14     float res;
15     //cout<<POWER(2,5);
16     res = (1-3*sqrt(2)/4)*pow(1-sqrt(2),k)+(1+3*sqrt(2)/4)*pow(1+sqrt(2),k);
17     cout<<res;
18
19
20     return 0;
21 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2', found: '5'
 - Test 1 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '12', found: '29'
 - Test 2 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
 - Test 3 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
 - Test 4 - [Wrong Answer](#) : wrong output format Expected integer, but "8.16855e+35" found
 - Test 5 - [Wrong Answer](#) : wrong output format Expected integer, but "6.27014e+11" found
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2378', found: '5741'
 - Test 7 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
 - Test 8 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
 - Test 9 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
 - Test 10 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found

- Test 11 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 12 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 13 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 14 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 15 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 16 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 17 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 18 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 19 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 20 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 21 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 22 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 23 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found
- Test 24 - [Wrong Answer](#) : wrong output format Expected integer, but "inf" found

Submission 138976301

User	Time	Problem	Language	Verdict
asdf46	2023/12/9 22:21:16	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 const int M = 998244353;
4 using namespace std;
5 double add(double x, long long n){
6     double r=1;
7     while(n>0){
8         if(n%2==1) r=r*x;
9         r=fmod(r,M*2*sqrt(2));
10        x=x*x;
11        n=n/2;
12    }
13    return r;
14 }
15 int main(){
16     double a1,a2;
17     long long k,a3;
18     cin>>k;
19     a1=1+sqrt(2);a2=1-sqrt(2);
20     a3=(add(a1,k+1)-add(a2,k+1))*sqrt(2)/4;
21     while(a3>0) a3=a3-M;
22     while(a3<0) a3=a3+M;
23     cout<<int(a3);
24 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Wrong Answer : wrong answer 1st numbers differ - expected: '928295455', found: '16608537'
 - Test 5 - Wrong Answer : wrong answer 1st numbers differ - expected: '173991069', found: '173991068'
 - Test 6 - Wrong Answer : wrong answer 1st numbers differ - expected: '2378', found: '2377'
 - Test 7 - Time Limit Exceeded :

- Test 8 - Time Limit Exceeded :
- Test 9 - Time Limit Exceeded :
- Test 10 - Time Limit Exceeded :
- Test 11 - Time Limit Exceeded :
- Test 12 - Time Limit Exceeded :
- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Time Limit Exceeded :
- Test 17 - Time Limit Exceeded :
- Test 18 - Time Limit Exceeded :
- Test 19 - Time Limit Exceeded :
- Test 20 - Time Limit Exceeded :
- Test 21 - Time Limit Exceeded :
- Test 22 - Time Limit Exceeded :
- Test 23 - Time Limit Exceeded :
- Test 24 - Time Limit Exceeded :

Submission 138974719

User	Time	Problem	Language	Verdict
asdf46	2023/12/9 22:09:56	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 const int M = 998244353;
4 using namespace std;
5 int main(){
6     long long k;
7     int a=2,b=5,c;
8     cin>>k;k--;
9     while(k--){
10         c=a+b*2;
11         c=c%M;
12         a=b, b=c;
13     }
14     cout<<a;
15 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Wrong Answer : wrong answer 1st numbers differ - expected: '928295455', found: '77607382'
 - Test 5 - Wrong Answer : wrong answer 1st numbers differ - expected: '173991069', found: '-127998815'
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Wrong Answer : wrong answer 1st numbers differ - expected: '721426304', found: '-369872757'
 - Test 8 - Wrong Answer : wrong answer 1st numbers differ - expected: '306651677', found: '289781252'
 - Test 9 - Wrong Answer : wrong answer 1st numbers differ - expected: '568557405', found: '366036806'
 - Test 10 - Wrong Answer : wrong answer 1st numbers differ - expected: '939844333', found: '-627115266'

- Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '632833934'
- Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '-527277675'
- Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '655481282', found: '221529242'
- Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4717204', found: '-341167790'
- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '233325780', found: '216833918'
- Test 16 - [Time Limit Exceeded](#) :
- Test 17 - [Time Limit Exceeded](#) :
- Test 18 - [Time Limit Exceeded](#) :
- Test 19 - [Time Limit Exceeded](#) :
- Test 20 - [Time Limit Exceeded](#) :
- Test 21 - [Time Limit Exceeded](#) :
- Test 22 - [Time Limit Exceeded](#) :
- Test 23 - [Time Limit Exceeded](#) :
- Test 24 - [Time Limit Exceeded](#) :

Submission 138974073

User	Time	Problem	Language	Verdict
asdf46	2023/12/9 22:05:50	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cmath>
3 const int M = 998244353;
4 using namespace std;
5 double add(double x, long long n){
6     double r=1;
7     while(n>0){
8         if(n%2==1) r=r*x;
9         r=fmod(r, M*2*sqrt(2));
10        x=x*x;
11        n=n/2;
12    }/*2*sqrt(2)*2*2^(1/2)
13    return r;
14 }
15 int main(){
16     double a1,a2,a3;
17     long long k;
18     cin>>k;
19     a1=1+sqrt(2);a2=1-sqrt(2);
20     a3=(add(a1, k+1)-add(a2, k+1))*sqrt(2)/4;
21     a3=fmod(a3+M, M);
22     while(a3<0) a3=fmod(a3+20*M, M);
23     cout<<int(a3);
24 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Wrong Answer : wrong answer 1st numbers differ - expected: '893188283', found: '-2147483648'
 - Test 3 - Wrong Answer : wrong answer 1st numbers differ - expected: '64782569', found: '-2147483648'
 - Test 4 - Wrong Answer : wrong answer 1st numbers differ - expected: '928295455', found: '16608537'
 - Test 5 - Wrong Answer : wrong answer 1st numbers differ - expected: '173991069', found: '173991068'
 - Test 6 - Accepted : ok 1 number(s): "2378"

- Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '-2147483648'
- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '-2147483648'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '-2147483648'
- Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '939844333', found: '-2147483648'
- Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '-2147483648'
- Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '-2147483648'
- Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '655481282', found: '-2147483648'
- Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4717204', found: '-2147483648'
- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '233325780', found: '-2147483648'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '739177717', found: '-2147483648'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '-2147483648'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '-2147483648'
- Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '-2147483648'
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '-2147483648'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '-2147483648'
- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '-2147483648'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '-2147483648'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '-2147483648'

Submission 138971625

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 21:50:03	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4 const int P = 998244353;
5
6 int main() {
7
8     long long k;
9     cin >> k;
10    vector<long long> dp(k, 0);
11
12    for(long long i = 0;i < k;i++){
13        if(i==0){
14            dp[i] = 2;
15        }
16        else if(i == 1){
17            dp[i] = 5;
18        }
19        else{
20            dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
21        }
22    }
23    //cout<<dp.size();
24
25    cout << dp[k-1]%P;
26
27    return 0;
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"

- Test 8 - Accepted : ok 1 number(s): "306651677"
- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Memory Limit Exceeded :
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Memory Limit Exceeded :
- Test 17 - Runtime Error :
- Test 18 - Runtime Error :
- Test 19 - Runtime Error :
- Test 20 - Runtime Error :
- Test 21 - Runtime Error :
- Test 22 - Runtime Error :
- Test 23 - Runtime Error :
- Test 24 - Runtime Error :

Submission 138969895

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 21:39:05	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4 const int P = 998244353;
5
6 int main() {
7
8     long long k;
9     cin >> k;
10    vector<long long> dp(k, 0);
11
12    for(long long i = 0;i < k;i++){
13        if(i==0){
14            dp[i] = 2;
15        }
16        else if(i == 1){
17            dp[i] = 5;
18        }
19        else{
20            dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
21        }
22    }
23    //cout<<dp.size();
24
25    cout << dp[k-1]%P;
26
27    return 0;
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"

- Test 8 - Accepted : ok 1 number(s): "306651677"
- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Memory Limit Exceeded :
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Memory Limit Exceeded :
- Test 17 - Runtime Error :
- Test 18 - Runtime Error :
- Test 19 - Runtime Error :
- Test 20 - Runtime Error :
- Test 21 - Runtime Error :
- Test 22 - Runtime Error :
- Test 23 - Runtime Error :
- Test 24 - Runtime Error :

Submission 138969240

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 21:34:41	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4 const int P = 998244353;
5
6 int main() {
7
8     long long k;
9     cin >> k;
10    vector<long long> dp(k + 1, 0);
11
12    for(long long i = 0;i < k+1;i++){
13        if(i==0){
14            dp[i] = 2;
15        }
16        else if(i == 1){
17            dp[i] = 5;
18        }
19        else{
20            dp[i] = dp[i-1] *2 % P + dp[i-2] * 1 %P;
21        }
22    }
23    //cout<<dp.size();
24
25    cout << dp[k-1]%P;
26
27    return 0;
28 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"

- Test 8 - Accepted : ok 1 number(s): "306651677"
- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Memory Limit Exceeded :
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Memory Limit Exceeded :
- Test 17 - Runtime Error :
- Test 18 - Runtime Error :
- Test 19 - Runtime Error :
- Test 20 - Runtime Error :
- Test 21 - Runtime Error :
- Test 22 - Runtime Error :
- Test 23 - Runtime Error :
- Test 24 - Runtime Error :

Submission 138968516

User	Time	Problem	Language	Verdict
cluelx	2023/12/9 21:30:27	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6
7
8 int main() {
9
10    int k;
11    cin >> k;
12    vector<int> dp(k + 1, 0);
13
14    for(int i = 0;i < k+1;i++){
15        if(i==0){
16            dp[i] = 2;
17
18        }
19        else if(i == 1){
20            dp[i] = 5;
21        }
22        else{
23            dp[i] = dp[i-1] *2 + dp[i-2] * 1;
24
25        }
26
27
28
29    }
30    //cout<<dp.size();
31
32    cout << dp[k-1];
33
34    return 0;
35 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :

- Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '-594663074'
- Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '2019485089'
- Test 6 - [Accepted](#) : ok 1 number(s): "2378"
- Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '-377513322'
- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '420666694'
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '-663090806'
- Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '939844333', found: '-1556456903'
- Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '758195626', found: '-819062260'
- Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '416507723', found: '1690947485'
- Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '655481282', found: '-1124984272'
- Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4717204', found: '-1561112986'
- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '233325780', found: '-286936107'
- Test 16 - [Memory Limit Exceeded](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 138966925

User	Time	Problem	Language	Verdict
YLXS	2023/12/9 21:21:51	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int mod = 998244353;
6 const int sq2 = 116195171;
7 LL power(LL a, LL n){
8     LL aws = 1;
9     while(n){
10         if(n & 1){
11             aws *= a;
12             aws %= mod;
13         }
14         n >>=1;
15         a = a * a % mod;
16     }
17     return aws;
18 }
19 int main(){
20     ios::sync_with_stdio(false);
21     cin.tie(0);
22     cout.tie(0);
23     LL n;
24     LL inv4 = power(4, mod - 2);
25     cin >> n;
26     cout << ((2 + sq2) * inv4 % mod * power(1 + sq2, n) % mod + (2 - sq2) *
inv4 % mod * power(1 - sq2, n) % mod + mod) % mod;
27 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"

- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Accepted : ok 1 number(s): "4717204"
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Accepted : ok 1 number(s): "739177717"
- Test 17 - Accepted : ok 1 number(s): "262483820"
- Test 18 - Accepted : ok 1 number(s): "183012378"
- Test 19 - Accepted : ok 1 number(s): "828622419"
- Test 20 - Accepted : ok 1 number(s): "274785969"
- Test 21 - Accepted : ok 1 number(s): "536027270"
- Test 22 - Accepted : ok 1 number(s): "228012926"
- Test 23 - Accepted : ok 1 number(s): "817667227"
- Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138966119

User	Time	Problem	Language	Verdict
YLXS	2023/12/9 21:17:39	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int mod = 998244353;
6 const int sq2 = 116195171;
7 LL power(LL a, int n){
8     LL aws = 1;
9     while(n){
10         if(n & 1){
11             aws *= a;
12             aws %= mod;
13         }
14         n >>=1;
15         a = a * a % mod;
16     }
17     return aws;
18 }
19 int main(){
20     ios::sync_with_stdio(false);
21     cin.tie(0);
22     cout.tie(0);
23     LL n;
24     cin >> n;
25     cout << ((2 + sq2) * power(4, mod - 2) % mod * power(1 + sq2, n) % mod +
26 (2 - sq2) * power(4, mod - 2) % mod * power(1 - sq2, n) % mod + mod) % mod;
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Wrong Answer : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"

- Test 8 - Accepted : ok 1 number(s): "306651677"
- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Accepted : ok 1 number(s): "4717204"
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Accepted : ok 1 number(s): "739177717"
- Test 17 - Time Limit Exceeded :
- Test 18 - Time Limit Exceeded :
- Test 19 - Wrong Answer : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
- Test 20 - Wrong Answer : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
- Test 21 - Time Limit Exceeded :
- Test 22 - Time Limit Exceeded :
- Test 23 - Time Limit Exceeded :
- Test 24 - Time Limit Exceeded :

Submission 138953263

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/9 20:14:53	Card Game in Mondstant	Python 3	Accepted

Code

```
1 def matrix_multiply(a, b, mod):
2     # 矩阵相乘
3     result = [[0, 0], [0, 0]]
4     for i in range(2):
5         for j in range(2):
6             for k in range(2):
7                 result[i][j] = (result[i][j] + a[i][k] * b[k][j]) % mod
8     return result
9
10 def matrix_power(matrix, n, mod):
11     # 矩阵快速幂
12     result = [[1, 0], [0, 1]]
13     while n > 0:
14         if n % 2 == 1:
15             result = matrix_multiply(result, matrix, mod)
16         matrix = matrix_multiply(matrix, matrix, mod)
17         n //= 2
18     return result
19
20 def count_dice_ways(k):
21     mod = 998244353
22     if k == 0:
23         return 1
24     elif k == 1:
25         return 2
26
27     transition_matrix = [[2, 1], [1, 0]]
28     result_matrix = matrix_power(transition_matrix, k - 1, mod)
29     return (2 * result_matrix[0][0] + result_matrix[0][1]) % mod
30
31 def main():
32     k = int(input())
33     print(count_dice_ways(k))
34
35 if __name__ == '__main__':
36     main()
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"

- Test 2 - Accepted : ok 1 number(s): "893188283"
- Test 3 - Accepted : ok 1 number(s): "64782569"
- Test 4 - Accepted : ok 1 number(s): "928295455"
- Test 5 - Accepted : ok 1 number(s): "173991069"
- Test 6 - Accepted : ok 1 number(s): "2378"
- Test 7 - Accepted : ok 1 number(s): "721426304"
- Test 8 - Accepted : ok 1 number(s): "306651677"
- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Accepted : ok 1 number(s): "4717204"
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Accepted : ok 1 number(s): "739177717"
- Test 17 - Accepted : ok 1 number(s): "262483820"
- Test 18 - Accepted : ok 1 number(s): "183012378"
- Test 19 - Accepted : ok 1 number(s): "828622419"
- Test 20 - Accepted : ok 1 number(s): "274785969"
- Test 21 - Accepted : ok 1 number(s): "536027270"
- Test 22 - Accepted : ok 1 number(s): "228012926"
- Test 23 - Accepted : ok 1 number(s): "817667227"
- Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138952756

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/9 20:12:35	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1  def count_dice_ways(k):
2      mod = 998244353
3      if k == 0:
4          return 1
5      elif k == 1:
6          return 2
7
8      prev_prev = 1
9      prev = 2
10     current = 0
11
12     for i in range(2, k + 1):
13         current = (2 * prev + prev_prev) % mod
14         prev_prev = prev
15         prev = current
16
17     return current
18
19 def main():
20     k = int(input())
21     print(count_dice_ways(k))
22
23 if __name__ == '__main__':
24     main()
25
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"

- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Time Limit Exceeded :
- Test 17 - Time Limit Exceeded :
- Test 18 - Time Limit Exceeded :
- Test 19 - Time Limit Exceeded :
- Test 20 - Time Limit Exceeded :
- Test 21 - Time Limit Exceeded :
- Test 22 - Time Limit Exceeded :
- Test 23 - Time Limit Exceeded :
- Test 24 - Time Limit Exceeded :

Submission 138945666

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/9 19:38:51	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 def countDiceWays(k):
2     mod = 998244353
3     dp = [0] * (k + 1)
4     dp[0] = 1
5     dp[1] = 2
6     for i in range(2, k + 1):
7         dp[i] = (2 * dp[i-1] + dp[i-2]) % mod
8     return dp[k]
9
10 def main():
11     k = int(input())
12     print(countDiceWays(k))
13
14 if __name__ == '__main__':
15     main()
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Memory Limit Exceeded :
 - Test 14 - Memory Limit Exceeded :
 - Test 15 - Memory Limit Exceeded :
 - Test 16 - Memory Limit Exceeded :

- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 138666326

User	Time	Problem	Language	Verdict
L1874493887	2023/12/8 15:17:55	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 using namespace std;
3 const long long int P = 998244353;
4 long long int a[3] = { 0 };
5 long long int b[3] = { 0 };
6 int main() {
7     long long int n = 0;
8     int odd = 0;
9     cin >> n;
10    b[0] = 1;
11    b[1] = 1;
12    n = n + 1;
13    while (n>1)
14    {
15        if (n % 2 != 0) {
16            n = n - 1;
17            long long int x1 = a[0];
18            long long int x2 = a[1];
19            if (a[0] == 0)
20            {
21                a[0] = b[0];
22                a[1] = b[1];
23            }
24            else
25            {
26                a[0] = (x1*b[0] % P + 2 * x2*b[1] % P) % P;
27                a[1] = ((x1%P * b[1]%P) + (x2%P * b[0]%P))%P;
28            }
29        }
30        long long int x1 = b[0];
31        long long int x2 = b[1];
32        b[1] = (2 * (x1%P) * (x2%P))%P;
33        b[0] = ((x1%P) * (x1%P) + 2 * (x2%P)*(x2%P))%P;
34        n /= 2;
35    }
36    if (a[0] != 0)
37        cout << (((b[1] % P)*(a[0] % P)) % P + ((b[0] % P)*(a[1] % P)) % P) %
P;
38    else
39        cout << b[1];
40 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138666177

User	Time	Problem	Language	Verdict
L1874493887	2023/12/8 15:16:28	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 using namespace std;
3 const long long int P = 998244353;
4 long long int a[3] = { 0 };
5 long long int b[3] = { 0 };
6 int main() {
7     long long int n = 0;
8     int odd = 0;
9     cin >> n;
10    b[0] = 1;
11    b[1] = 1;
12    n = n + 1;
13    while (n>1)
14    {
15        if (n % 2 != 0) {
16            n = n - 1;
17            long long int x1 = a[0];
18            long long int x2 = a[1];
19            if (a[0] == 0)
20            {
21                a[0] = b[0];
22                a[1] = b[1];
23            }
24            else
25            {
26                a[0] = (x1*b[0] % P + 2 * x2*b[1] % P) % P;
27                a[1] = ((x1%P * b[1]%P) + (x2%P * b[0]%P))%P;
28            }
29        }
30        long long int x1 = b[0];
31        long long int x2 = b[1];
32        b[1] = (2 * (x1%P) * (x2%P))%P;
33        b[0] = ((x1%P) * (x1%P) + 2 * (x2%P)*(x2%P))%P;
34        n /= 2;
35    }
36    cout << (((b[1]%P)*(a[0]%P))%P+((b[0]%P)*(a[1]%P))%P)%P;
37 }
38 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Wrong Answer** : wrong answer 1st numbers differ - expected: '2', found: '0'
 - Test 1 - **Wrong Answer** : wrong answer 1st numbers differ - expected: '12', found: '0'
 - Test 2 - **Accepted** : ok 1 number(s): "893188283"
 - Test 3 - **Accepted** : ok 1 number(s): "64782569"
 - Test 4 - **Accepted** : ok 1 number(s): "928295455"
 - Test 5 - **Accepted** : ok 1 number(s): "173991069"
 - Test 6 - **Accepted** : ok 1 number(s): "2378"
 - Test 7 - **Accepted** : ok 1 number(s): "721426304"
 - Test 8 - **Accepted** : ok 1 number(s): "306651677"
 - Test 9 - **Accepted** : ok 1 number(s): "568557405"
 - Test 10 - **Accepted** : ok 1 number(s): "939844333"
 - Test 11 - **Accepted** : ok 1 number(s): "758195626"
 - Test 12 - **Accepted** : ok 1 number(s): "416507723"
 - Test 13 - **Accepted** : ok 1 number(s): "655481282"
 - Test 14 - **Accepted** : ok 1 number(s): "4717204"
 - Test 15 - **Accepted** : ok 1 number(s): "233325780"
 - Test 16 - **Accepted** : ok 1 number(s): "739177717"
 - Test 17 - **Accepted** : ok 1 number(s): "262483820"
 - Test 18 - **Accepted** : ok 1 number(s): "183012378"
 - Test 19 - **Accepted** : ok 1 number(s): "828622419"
 - Test 20 - **Accepted** : ok 1 number(s): "274785969"
 - Test 21 - **Accepted** : ok 1 number(s): "536027270"
 - Test 22 - **Accepted** : ok 1 number(s): "228012926"
 - Test 23 - **Accepted** : ok 1 number(s): "817667227"
 - Test 24 - **Accepted** : ok 1 number(s): "60379542"

Submission 138547152

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/7 15:59:49	Card Game in Mondstant	C++11	Accepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstring>
4 #include <cstdlib>
5 #include <algorithm>
6 #include <cctype>
7
8 using namespace std;
9
10 inline long long read() {
11     char ch;
12     while (!isdigit(ch = getchar())) ;
13     long long sum = ch - '0';
14     while (isdigit(ch = getchar()))
15         sum = (sum * 10) + ch - '0';
16     return sum;
17 }
18
19 const long long mod = 998244353;
20
21 long long n;
22
23 struct matrix {
24     long long num[2][2];
25
26     inline matrix() {
27         memset(num, 0, sizeof(num));
28     }
29
30     inline matrix operator* (const matrix& n) const {
31         matrix re;
32         for (int i = 0; i < 2; i++) {
33             for (int j = 0; j < 2; j++) {
34                 for (int k = 0; k < 2; k++)
35                     re.num[i][j] = (re.num[i][j] + num[i][k] * n.num[k][j]) %
mod;
36             }
37         }
38
39         return re;
40     }
41 };
42
43 matrix tmp, ans;
```

```

44
45 inline void init() {
46     tmp.num[0][0] = 2;
47     tmp.num[0][1] = tmp.num[1][0] = 1;
48     ans.num[0][0] = ans.num[1][1] = 1;
49
50     long long p = n - 1;
51     while (p) {
52         if (p & 1) {
53             ans = ans * tmp;
54         }
55         tmp = tmp * tmp;
56         p >>= 1;
57     }
58
59 }
60
61 int main() {
62     n = read();
63     if (n == 1) {
64         printf("2\n");
65         return 0;
66     }
67
68     init();
69
70     printf("%lld\n", (ans.num[0][0] * 2 + ans.num[1][0]) % mod);
71     return 0;
72 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"

- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Accepted : ok 1 number(s): "739177717"
- Test 17 - Accepted : ok 1 number(s): "262483820"
- Test 18 - Accepted : ok 1 number(s): "183012378"
- Test 19 - Accepted : ok 1 number(s): "828622419"
- Test 20 - Accepted : ok 1 number(s): "274785969"
- Test 21 - Accepted : ok 1 number(s): "536027270"
- Test 22 - Accepted : ok 1 number(s): "228012926"
- Test 23 - Accepted : ok 1 number(s): "817667227"
- Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138415685

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/6 15:57:33	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 def main():
2     k = eval(input())
3     List = []
4     List.append(0)
5     List.append(2)
6     List.append(List[1] + List[1] + 1)
7     if k == 0:
8         print(0)
9     if k == 1:
10        print(2)
11    elif k == 2:
12        print(5)
13    elif k > 2:
14        for i in range (3, k + 1):
15            List.append(List[2] * 2 + List[1])
16            List.pop(0)
17        print(List[2] % 998244353)
18
19 if __name__ == '__main__':
20     main()
21
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Time Limit Exceeded :
 - Test 12 - Time Limit Exceeded :

- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Time Limit Exceeded :
- Test 17 - Time Limit Exceeded :
- Test 18 - Time Limit Exceeded :
- Test 19 - Time Limit Exceeded :
- Test 20 - Time Limit Exceeded :
- Test 21 - Time Limit Exceeded :
- Test 22 - Time Limit Exceeded :
- Test 23 - Time Limit Exceeded :
- Test 24 - Time Limit Exceeded :

Submission 138415580

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/6 15:56:38	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 def main():
2     k = eval(input())
3     List = []
4     List.append(0)
5     List.append(2)
6     List.append(List[1] + List[1] + 1)
7     for i in range (3, k + 1):
8         List.append(List[i - 1] * List[1] + List[i - 2])
9
10    print(List[k] % 998244353)
11
12 if __name__ == '__main__':
13     main()
14
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Memory Limit Exceeded :
 - Test 3 - Memory Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Memory Limit Exceeded :
 - Test 11 - Memory Limit Exceeded :
 - Test 12 - Memory Limit Exceeded :
 - Test 13 - Memory Limit Exceeded :
 - Test 14 - Memory Limit Exceeded :
 - Test 15 - Memory Limit Exceeded :
 - Test 16 - Memory Limit Exceeded :
 - Test 17 - Memory Limit Exceeded :

- Test 18 - [Memory Limit Exceeded](#) :
- Test 19 - [Memory Limit Exceeded](#) :
- Test 20 - [Memory Limit Exceeded](#) :
- Test 21 - [Memory Limit Exceeded](#) :
- Test 22 - [Memory Limit Exceeded](#) :
- Test 23 - [Memory Limit Exceeded](#) :
- Test 24 - [Memory Limit Exceeded](#) :

Submission 138415508

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/6 15:56:05	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 def main():
2     k = eval(input())
3     List = []
4     List.append(0)
5     List.append(2)
6     List.append(List[1] + List[1] + 1)
7     if k == 0:
8         print(0)
9     elif k == 1:
10        print(1)
11    elif k == 2:
12        print(5)
13    elif k > 2:
14        for i in range (3, k + 1):
15            List.append(List[2] * 2 + List[1])
16            List.pop(0)
17        print(List[2] % 998244353)
18
19 if __name__ == '__main__':
20     main()
21
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer 1st numbers differ - expected: '2', found: '1'
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Time Limit Exceeded :
 - Test 12 - Time Limit Exceeded :

- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Time Limit Exceeded :
- Test 17 - Time Limit Exceeded :
- Test 18 - Time Limit Exceeded :
- Test 19 - Time Limit Exceeded :
- Test 20 - Time Limit Exceeded :
- Test 21 - Time Limit Exceeded :
- Test 22 - Time Limit Exceeded :
- Test 23 - Time Limit Exceeded :
- Test 24 - Time Limit Exceeded :

Submission 138415060

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/6 15:52:41	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 def main():
2     k = eval(input())
3     List = []
4     List.append(0)
5     List.append(2)
6     List.append(List[1] + List[1] + 1)
7     if k == 1:
8         print(1)
9     elif k == 2:
10        print(5)
11    elif k > 2:
12        for i in range (3, k + 1):
13            List.append(List[2] * 2 + List[1])
14            List.pop(0)
15        print(List[2] % 998244353)
16
17 if __name__ == '__main__':
18     main()
19
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Wrong Answer : wrong answer 1st numbers differ - expected: '2', found: '1'
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Time Limit Exceeded :
 - Test 12 - Time Limit Exceeded :
 - Test 13 - Time Limit Exceeded :
 - Test 14 - Time Limit Exceeded :

- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Time Limit Exceeded](#) :
- Test 17 - [Time Limit Exceeded](#) :
- Test 18 - [Time Limit Exceeded](#) :
- Test 19 - [Time Limit Exceeded](#) :
- Test 20 - [Time Limit Exceeded](#) :
- Test 21 - [Time Limit Exceeded](#) :
- Test 22 - [Time Limit Exceeded](#) :
- Test 23 - [Time Limit Exceeded](#) :
- Test 24 - [Time Limit Exceeded](#) :

Submission 138412067

User	Time	Problem	Language	Verdict
Linfinite	2023/12/6 15:26:33	Card Game in Mondstant	Python 3	Accepted

Code

```
1 MOD = 998244353
2 #矩阵乘法
3 def matmul(a, b, mod=MOD):
4     return [[sum(x * y % mod for x, y in zip(a_row, b_col)) % mod for b_col
5     in zip(*b)] for a_row in a]
6 #矩阵快速幂
7 def matpow(mat, k, mod=MOD):
8     result = [[1 if i == j else 0 for i in range(len(mat))] for j in
9     range(len(mat))]
10    while k > 0:
11        if k % 2 == 1:
12            result = matmul(result, mat, mod)
13        mat = matmul(mat, mat, mod)
14        k //= 2
15    return result
16 #计算使用所有骰子的方法数
17 def count_ways(k):
18     if k == 0:
19         return 1
20     if k == 1:
21         return 2
22     transition_matrix = [[0, 1], [1, 2]]
23     result_matrix = matpow(transition_matrix, k - 1)
24     return (result_matrix[1][0] * 1 + result_matrix[1][1] * 2) % MOD
25 #输入骰子数量
26 k = int(input())
27 #输出使用方法总数
28 print(count_ways(k))
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"

- Test 9 - Accepted : ok 1 number(s): "568557405"
- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Accepted : ok 1 number(s): "4717204"
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Accepted : ok 1 number(s): "739177717"
- Test 17 - Accepted : ok 1 number(s): "262483820"
- Test 18 - Accepted : ok 1 number(s): "183012378"
- Test 19 - Accepted : ok 1 number(s): "828622419"
- Test 20 - Accepted : ok 1 number(s): "274785969"
- Test 21 - Accepted : ok 1 number(s): "536027270"
- Test 22 - Accepted : ok 1 number(s): "228012926"
- Test 23 - Accepted : ok 1 number(s): "817667227"
- Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138375446

User	Time	Problem	Language	Verdict
Zhangdy	2023/12/5 23:14:01	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1  def main():
2      k = eval(input())
3      List = []
4      List.append(0)
5      List.append(2)
6      List.append(List[1] + List[1] + 1)
7      for i in range (3, k + 1):
8          List.append(List[i - 1] * List[1] + List[i - 2])
9
10     print(List[k] % 998244353)
11
12 if __name__ == '__main__':
13     main()
14
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Memory Limit Exceeded :
 - Test 3 - Memory Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Memory Limit Exceeded :
 - Test 11 - Memory Limit Exceeded :
 - Test 12 - Memory Limit Exceeded :
 - Test 13 - Memory Limit Exceeded :
 - Test 14 - Memory Limit Exceeded :
 - Test 15 - Memory Limit Exceeded :
 - Test 16 - Memory Limit Exceeded :
 - Test 17 - Memory Limit Exceeded :

- Test 18 - [Memory Limit Exceeded](#) :
- Test 19 - [Memory Limit Exceeded](#) :
- Test 20 - [Memory Limit Exceeded](#) :
- Test 21 - [Memory Limit Exceeded](#) :
- Test 22 - [Memory Limit Exceeded](#) :
- Test 23 - [Memory Limit Exceeded](#) :
- Test 24 - [Memory Limit Exceeded](#) :

Submission 138339520

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/5 20:16:02	Card Game in Mondstant	C++17	Accepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int N=2;
4 const long long m=998244353;
5 struct matrix{
6     long long ma[N][N];
7 };
8 int cnt;
9 matrix mutil(matrix& a,matrix& b)
10 {
11     matrix c;
12     for(int i=0;i<N;++i)
13         for(int j=0;j<N;++j)
14             c.ma[i][j]=0;
15     for(int i=0;i<N;++i)
16         for(int j=0;j<N;++j)
17             for(int z=0;z<N;++z)
18                 {c.ma[i][j]+=((a.ma[i][z]%m)*(b.ma[z][j]%m))%m;
19                  c.ma[i][j]%=m;
20             }
21     return c;
22 }
23 matrix pow_ma(matrix a, long long n)
24 {
25     cnt++;
26     if(cnt==65) {cout<<"-1";exit(0); }
27     if(n==1) return a;
28     matrix s;
29     s=pow_ma(mutil(a,a),n/2);
30     if(n%2) s=mutil(s,a);
31     return s;
32 }
33 int main()
34 {
35     long long n;
36     cin>>n;
37     if(n==1) {cout<<2<<'\n';return 0;}
38     matrix ans;
39     ans.ma[0][0]=2,ans.ma[0][1]=1,ans.ma[1][0]=1,ans.ma[1][1]=0;
40     //ans记得需要初始化-----
41     ans=pow_ma(ans,n-1);
42     long long sum=0;
43     sum=ans.ma[0][0]*2+ans.ma[0][1];
44     printf("%lld\n",sum%m);
45     return 0;
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138338412

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/5 20:12:12	Card Game in Mondstant	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int N=2;
4 const long long m=998244353;
5 struct matrix{
6     long long ma[N][N];
7 };
8 matrix mutil(matrix& a,matrix& b)
9 {
10     matrix c;
11     for(int i=0;i<N;++i)
12         for(int j=0;j<N;++j)
13             c.ma[i][j]=0;
14     for(int i=0;i<N;++i)
15         for(int j=0;j<N;++j)
16             for(int z=0;z<N;++z)
17                 {c.ma[i][j]+=((a.ma[i][z]%m)*(b.ma[z][j]%m))%m;
18                  c.ma[i][j]%=m;
19             }
20     return c;
21 }
22 matrix pow_ma(matrix a,int n)
23 {
24     if(n==1) return a;
25     matrix s;
26     s=pow_ma(mutil(a,a),n/2);
27     if(n%2) s=mutil(s,a);
28     return s;
29 }
30 int main()
31 {
32     long long n;
33     cin>>n;
34     if(n==1) {cout<<2<<'\n';return 0;}
35     matrix ans;
36     ans.ma[0][0]=2,ans.ma[0][1]=1,ans.ma[1][0]=1,ans.ma[1][1]=0;
37     //ans记得需要初始化-----
38     ans=pow_ma(ans,n-1);
39     long long sum=0;
40     sum=ans.ma[0][0]*2+ans.ma[0][1];
41     printf("%lld\n",sum%m);
42     return 0;
43 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - [Memory Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Memory Limit Exceeded](#) :
 - Test 18 - [Memory Limit Exceeded](#) :
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
 - Test 21 - [Memory Limit Exceeded](#) :
 - Test 22 - [Memory Limit Exceeded](#) :
 - Test 23 - [Memory Limit Exceeded](#) :
 - Test 24 - [Memory Limit Exceeded](#) :

Submission 138338229

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/5 20:11:33	Card Game in Mondstant	C++17	Compile Error

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int N=2;
4 const long long m=998244353;
5 struct matrix{
6     long long ma[N][N];
7 };
8 matrix mutil(matrix& a,matrix& b)
9 {
10     matrix c;
11     for(int i=0;i<N;++i)
12         for(int j=0;j<N;++j)
13             c.ma[i][j]=0;
14     for(int i=0;i<N;++i)
15         for(int j=0;j<N;++j)
16             for(int z=0;z<N;++z)
17                 {c.ma[i][j]+=((a.ma[i][z]%m)*(b.ma[z][j]%m))%m;
18                  c.ma[i][j]%=m;
19             }
20     return c;
21 }
22 matrix pow_ma(matrix& a,int n)
23 {
24     if(n==1) return a;
25     matrix s;
26     s=pow_ma(mutil(a,a),n/2);
27     if(n%2) s=mutil(s,a);
28     return s;
29 }
30 int main()
31 {
32     long long n;
33     cin>>n;
34     if(n==1) {cout<<2<<'\n';return 0;}
35     matrix ans;
36     ans.ma[0][0]=2,ans.ma[0][1]=1,ans.ma[1][0]=1,ans.ma[1][1]=0;
37     //ans记得需要初始化-----
38     ans=pow_ma(ans,n-1);
39     long long sum=0;
40     sum=ans.ma[0][0]*2+ans.ma[0][1];
41     printf("%lld\n",sum%m);
42     return 0;
43 }
```

Test Detail

- Compile Error

```
1 /tmp/compiler_hq2m_hxu/src: In function 'matrix pow_ma(matrix&, int)':  
2 /tmp/compiler_hq2m_hxu/src:26:19: 错误: cannot bind non-const lvalue reference  
of type 'matrix&' to an rvalue of type 'matrix'  
3     26 |     s=pow_ma(mutil(a,a),n/2);  
4     |           ~~~~~^~~~~~  
5 /tmp/compiler_hq2m_hxu/src:22:23: 附注:    初始化'matrix pow_ma(matrix&, int)'的实  
参 1  
6     22 | matrix pow_ma(matrix& a,int n)  
7     |           ~~~~~~^  
8
```

Submission 138337086

User	Time	Problem	Language	Verdict
wangyaoye	2023/12/5 20:07:31	Card Game in Mondstant	C++17	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 const int N=2;
4 const long long m=998244353;
5 struct matrix{
6     long long ma[N][N];
7 };
8 matrix mutil(matrix a,matrix b)
9 {
10     matrix c;
11     for(int i=0;i<N;++i)
12         for(int j=0;j<N;++j)
13             c.ma[i][j]=0;
14     for(int i=0;i<N;++i)
15         for(int j=0;j<N;++j)
16             for(int z=0;z<N;++z)
17                 {c.ma[i][j]+=((a.ma[i][z]%m)*(b.ma[z][j]%m))%m;
18                  c.ma[i][j]%=m;
19             }
20     return c;
21 }
22 matrix pow_ma(matrix a,int n)
23 {
24     if(n==1) return a;
25     matrix s;
26     s=pow_ma(mutil(a,a),n/2);
27     if(n%2) s=mutil(s,a);
28     return s;
29 }
30 int main()
31 {
32     long long n;
33     cin>>n;
34     if(n==1) {cout<<2<<'\n';return 0;}
35     matrix ans;
36     ans.ma[0][0]=2,ans.ma[0][1]=1,ans.ma[1][0]=1,ans.ma[1][1]=0;
37     //ans记得需要初始化-----
38     ans=pow_ma(ans,n-1);
39     long long sum=0;
40     sum=ans.ma[0][0]*2+ans.ma[0][1];
41     printf("%lld\n",sum%m);
42     return 0;
43 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - [Memory Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Memory Limit Exceeded](#) :
 - Test 18 - [Memory Limit Exceeded](#) :
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
 - Test 21 - [Memory Limit Exceeded](#) :
 - Test 22 - [Memory Limit Exceeded](#) :
 - Test 23 - [Memory Limit Exceeded](#) :
 - Test 24 - [Memory Limit Exceeded](#) :

Submission 138295131

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 16:23:47	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <stdio.h>
2
3 double c1 = 50.0;
4 double c2 = 0.0;
5 double c3 = 100.0;
6 double a;
7
8 void bisection(double a, double& c1, double& c2, double& c3, bool& X) {
9
10    double epsilon = 0.0001;
11
12    printf("?\n", c1);
13    double b;
14    scanf("%lf", &b);
15    if (a - b > 0 && a - b > epsilon) {
16        c2 = c1;
17        c1 = (c1 + c3) / 2;
18    }
19    else if (a - b < 0 && b - a > epsilon) {
20        c3 = c1;
21        c1 = (c1 + c2) / 2;
22    }
23    else {
24        printf("!\n", c1);
25        X = false;
26    }
27}
28
29 int main() {
30
31    scanf("%lf", &a);
32
33    bool X = true;
34    while (X == true) {
35        bisection(a, c1, c2, c3, X);
36    }
37
38    return 0;
39}
40
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Time Limit Exceeded :
 - Test 1 - Time Limit Exceeded :
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Time Limit Exceeded :
 - Test 5 - Time Limit Exceeded :
 - Test 6 - Time Limit Exceeded :
 - Test 7 - Time Limit Exceeded :
 - Test 8 - Time Limit Exceeded :
 - Test 9 - Time Limit Exceeded :
 - Test 10 - Time Limit Exceeded :
 - Test 11 - Time Limit Exceeded :
 - Test 12 - Time Limit Exceeded :
 - Test 13 - Time Limit Exceeded :
 - Test 14 - Time Limit Exceeded :
 - Test 15 - Time Limit Exceeded :
 - Test 16 - Time Limit Exceeded :
 - Test 17 - Time Limit Exceeded :
 - Test 18 - Time Limit Exceeded :
 - Test 19 - Time Limit Exceeded :
 - Test 20 - Time Limit Exceeded :
 - Test 21 - Time Limit Exceeded :
 - Test 22 - Time Limit Exceeded :
 - Test 23 - Time Limit Exceeded :
 - Test 24 - Time Limit Exceeded :

Submission 138285984

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 15:14:21	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 const int mod = 998244353;
6
7 struct Matrix {
8
9     long long row, col;
10
11     vector<vector<long long>> data;
12
13     Matrix(int r, int c) {
14         row = r;
15         col = c;
16         data.resize(r, vector<long long>(c));
17     }
18 };
19
20
21 Matrix multiply(Matrix a, Matrix b) {
22
23     Matrix res(a.row, b.col);
24
25     for (long long i = 0; i < res.row; i++) {
26         for (long long j = 0; j < res.col; j++) {
27
28             res.data[i][j] = 0;
29
30             long long A = 0;
31
32             for (long long k = 0; k < a.col; k++) {
33
34                 A += (long long)a.data[i][k] * b.data[k][j] % mod;
35
36                 A %= mod;
37             }
38
39             res.data[i][j] = (long long)A;
40         }
41     }
42
43     return res;
44 }
```

```
46
47
48 Matrix power(Matrix a, long long k) {
49
50     Matrix res(a.row, a.col);
51     for (long long i = 0; i < res.row; i++) {
52         res.data[i][i] = 1;
53     }
54
55     while (k > 0) {
56
57         if (k & 1) {
58             res = multiply(res, a);
59         }
60
61         a = multiply(a, a);
62
63         k >>= 1;
64     }
65
66     return res;
67 }
68
69
70 int main() {
71
72     long long k;
73     cin >> k;
74
75     Matrix trans(2, 2);
76     trans.data[0][0] = 2;
77     trans.data[0][1] = 1;
78     trans.data[1][0] = 1;
79     trans.data[1][1] = 0;
80
81     Matrix init(2, 1);
82     init.data[0][0] = 1;
83     init.data[1][0] = 0;
84
85
86     Matrix pow_trans = power(trans, k);
87
88     Matrix final = multiply(pow_trans, init);
89
90     cout << final.data[0][0] << endl;
91
92     return 0;
93 }
94
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138285761

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 15:12:17	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 const int mod = 998244353;
6
7 struct Matrix {
8
9     int row, col;
10
11     vector<vector<long long>> data;
12
13     Matrix(int r, int c) {
14         row = r;
15         col = c;
16         data.resize(r, vector<long long>(c));
17     }
18 };
19
20
21
22 Matrix multiply(Matrix a, Matrix b) {
23
24     Matrix res(a.row, b.col);
25
26     for (int i = 0; i < res.row; i++) {
27         for (int j = 0; j < res.col; j++) {
28
29             res.data[i][j] = 0;
30
31             long long A = 0;
32
33             for (int k = 0; k < a.col; k++) {
34
35                 A += (long long)a.data[i][k] * b.data[k][j] % mod;
36
37                 A %= mod;
38             }
39
40             res.data[i][j] = (long long)A;
41         }
42     }
43
44     return res;
45 }
```

```
46
47
48
49 Matrix power(Matrix a, int k) {
50
51     Matrix res(a.row, a.col);
52     for (int i = 0; i < res.row; i++) {
53         res.data[i][i] = 1;
54     }
55
56     while (k > 0) {
57
58         if (k & 1) {
59             res = multiply(res, a);
60         }
61
62         a = multiply(a, a);
63
64         k >>= 1;
65     }
66
67     return res;
68 }
69
70
71 int main() {
72
73     long long k;
74     cin >> k;
75
76     Matrix trans(2, 2);
77     trans.data[0][0] = 2;
78     trans.data[0][1] = 1;
79     trans.data[1][0] = 1;
80     trans.data[1][1] = 0;
81
82     Matrix init(2, 1);
83     init.data[0][0] = 1;
84     init.data[1][0] = 0;
85
86
87     Matrix pow_trans = power(trans, k);
88
89     Matrix final = multiply(pow_trans, init);
90
91     cout << final.data[0][0] << endl;
92
93     return 0;
94 }
95
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '1'
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '1'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '1'
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
 - Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '1'
 - Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '1'
 - Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '1'
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '1'

Submission 138281434

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 14:30:27	Card Game in Mondstant	C++14(GCC 9)	Compile Error

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 int* fact; // 全局的动态数组
5
6 // 预处理阶乘
7 void precompute(int n) {
8     fact = new int[n + 1]; // 分配内存
9     fact[0] = 1;
10    long long a;
11    for (int i = 1; i <= n; i++) {
12        a = (long long (fact[i - 1]) * i) % MOD;
13        fact[i] = a;
14    }
15 }
16
17 // 释放内存
18 void cleanup() {
19     delete[] fact;
20 }
21
22 long long pow_mod(long long x, long long n, long long mod) {
23     long long res = 1;
24     while (n) {
25         if (n & 1) res = res * x % mod;
26         x = x * x % mod;
27         n >>= 1;
28     }
29     return res;
30 }
31
32 long long fermat(long long n, long long m) {
33     if (m == 0 || m == n) {
34         return 1;
35     }
36     if (m < 0 || m > n) {
37         return 0;
38     }
39     return fact[n] * pow_mod(fact[m], MOD - 2, MOD) % MOD * pow_mod(fact[n - m], MOD - 2, MOD) % MOD;
40 }
41 long long POWER(long long a, long long n)
42 {
43     if (n == 0)
```

```

44         return 1;
45     else if (n % 2 == 1)
46         return POWER(a, n - 1) * a % MOD;
47     else
48     {
49         long long temp = POWER(a, n / 2) % MOD;
50         return temp * temp % MOD;
51     }
52 }
53 long long coefficient(long long n) {
54     int i = 0;
55     int j;
56     long long ans = 0;
57     if (n == 0)
58         return 0;
59     for (j = n; j >= 0; j = j - 2, i = i + 1) {
60         ans = (fermat(i + j, j) * POWER(2, j) % MOD + ans) % MOD;
61     }
62     return ans;
63 }
64 long long A(long long n) {
65     int i = 0;
66     long long ans = 0;
67     if (n == 0)
68         return 0;
69     for (; i <= n; i = i + 1) {
70         if (i % 2 == 0)
71             ans = (fermat(n, i) * (POWER(2, i / 2)) + ans) % MOD;
72         else
73             ans = (fermat(n, i) * POWER(2, (i - 1) / 2) + ans) % MOD;
74     }
75     return ans;
76 }
77
78 int main() {
79     long long n;
80     cin >> n;
81     precompute(n); // 预处理阶乘
82     cout << coefficient(n) << endl;
83     cleanup(); // 释放内存
84     return 0;
85 }
86

```

Test Detail

- Compile Error

```
1 /tmp/compiler_e8u13qe5/src: 在函数'void precompute(int)'中:
2 /tmp/compiler_e8u13qe5/src:12:14: 错误: expected primary-expression before
'long'
3     12 |         a = (long long (fact[i - 1]) * i) % MOD;
4     |             ^~~~
5 /tmp/compiler_e8u13qe5/src:12:14: 错误: expected ')' before 'long'
6     12 |         a = (long long (fact[i - 1]) * i) % MOD;
7     |             ~^~~~
8     |         )
9
```

Submission 138281398

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 14:30:01	Card Game in Mondstant	C++14(GCC 9)	Compile Error

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 int* fact; // 全局的动态数组
5
6 // 预处理阶乘
7 void precompute(int n) {
8     fact = new int[n + 1]; // 分配内存
9     fact[0] = 1;
10    long long a;
11    for (int i = 1; i <= n; i++) {
12        a = (long long (fact[i - 1]) * i) % MOD;
13        fact[i] = a;
14    }
15 }
16
17 // 释放内存
18 void cleanup() {
19     delete[] fact;
20 }
21
22 long long pow_mod(long long x, long long n, long long mod) {
23     long long res = 1;
24     while (n) {
25         if (n & 1) res = res * x % mod;
26         x = x * x % mod;
27         n >>= 1;
28     }
29     return res;
30 }
31
32 long long fermat(long long n, long long m) {
33     if (m == 0 || m == n) {
34         return 1;
35     }
36     if (m < 0 || m > n) {
37         return 0;
38     }
39     return fact[n] * pow_mod(fact[m], MOD - 2, MOD) % MOD * pow_mod(fact[n - m], MOD - 2, MOD) % MOD;
40 }
41 long long POWER(long long a, long long n)
42 {
43     if (n == 0)
```

```

44         return 1;
45     else if (n % 2 == 1)
46         return POWER(a, n - 1) * a % MOD;
47     else
48     {
49         long long temp = POWER(a, n / 2) % MOD;
50         return temp * temp % MOD;
51     }
52 }
53 long long coefficient(long long n) {
54     int i = 0;
55     int j;
56     long long ans = 0;
57     if (n == 0)
58         return 0;
59     for (j = n; j >= 0; j = j - 2, i = i + 1) {
60         ans = (fermat(i + j, j) * POWER(2, j) % MOD + ans) % MOD;
61     }
62     return ans;
63 }
64 long long A(long long n) {
65     int i = 0;
66     long long ans = 0;
67     if (n == 0)
68         return 0;
69     for (; i <= n; i = i + 1) {
70         if (i % 2 == 0)
71             ans = (fermat(n, i) * (POWER(2, i / 2)) + ans) % MOD;
72         else
73             ans = (fermat(n, i) * POWER(2, (i - 1) / 2) + ans) % MOD;
74     }
75     return ans;
76 }
77
78 int main() {
79     long long n;
80     cin >> n;
81     precompute(n); // 预处理阶乘
82     cout << coefficient(n) << endl;
83     cleanup(); // 释放内存
84     return 0;
85 }
86

```

Test Detail

- Compile Error

```
1 /tmp/compiler_3zvcg68u/src: 在函数'void precompute(int)'中:
2 /tmp/compiler_3zvcg68u/src:12:14: 错误: expected primary-expression before
'long'
3     12 |         a = (long long (fact[i - 1]) * i) % MOD;
4     |             ^~~~
5 /tmp/compiler_3zvcg68u/src:12:14: 错误: expected ')' before 'long'
6     12 |         a = (long long (fact[i - 1]) * i) % MOD;
7     |             ~^~~~
8     |             )
9
```

Submission 138280743

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 14:21:03	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 long long factorial(int n) {
5     long long a = 1;
6     for (int i = 1; i <= n; i++) {
7         a = (a * i) % MOD;
8     }
9     return a;
10 }
11
12
13 long long pow_mod(long long x, long long n, long long mod) {
14     long long res = 1;
15     while (n) {
16         if (n & 1) res = res * x % mod;
17         x = x * x % mod;
18         n >>= 1;
19     }
20     return res;
21 }
22
23 long long fermat(long long n, long long m) {
24     if (m == 0 || m == n) {
25         return 1;
26     }
27     if (m < 0 || m > n) {
28         return 0;
29     }
30     return factorial(n) * pow_mod(factorial(m), MOD - 2, MOD) % MOD *
31         pow_mod(factorial(n - m), MOD - 2, MOD) % MOD;
32 }
33 long long POWER(long long a, long long n)
34 {
35     if (n == 0)
36         return 1;
37     else if (n % 2 == 1)
38         return POWER(a, n - 1) * a % MOD;
39     else
40     {
41         long long temp = POWER(a, n / 2) % MOD;
42         return temp * temp % MOD;
43     }
44 }
45 long long coefficient(long long n) {
```

```

45     int i = 0;
46     int j;
47     long long ans = 0;
48     if (n == 0)
49         return 0;
50     for (j = n; j >= 0; j = j - 2, i = i + 1) {
51         ans = (fermat(i + j, j) * POWER(2, j) % MOD + ans) % MOD;
52     }
53     return ans;
54 }
55 long long A(long long n) {
56     int i = 0;
57     long long ans = 0;
58     if (n == 0)
59         return 0;
60     for (; i <= n; i = i + 1) {
61         if (i % 2 == 0)
62             ans = (fermat(n, i) * (POWER(2, i / 2)) + ans) % MOD;
63         else
64             ans = (fermat(n, i) * POWER(2, (i - 1) / 2) + ans) % MOD;
65     }
66     return ans;
67 }
68
69 int main() {
70     long long n;
71     cin >> n;
72     cout << endl << A(n) << endl;
73     return 0;
74 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :

- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Time Limit Exceeded](#) :
- Test 17 - [Time Limit Exceeded](#) :
- Test 18 - [Time Limit Exceeded](#) :
- Test 19 - [Time Limit Exceeded](#) :
- Test 20 - [Time Limit Exceeded](#) :
- Test 21 - [Time Limit Exceeded](#) :
- Test 22 - [Time Limit Exceeded](#) :
- Test 23 - [Time Limit Exceeded](#) :
- Test 24 - [Time Limit Exceeded](#) :

Submission 138280710

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 14:20:30	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 long long factorial(int n) {
5     long long a = 1;
6     for (int i = 1; i <= n; i++) {
7         a = (a * i) % MOD;
8     }
9     return a;
10 }
11
12
13 long long pow_mod(long long x, long long n, long long mod) {
14     long long res = 1;
15     while (n) {
16         if (n & 1) res = res * x % mod;
17         x = x * x % mod;
18         n >>= 1;
19     }
20     return res;
21 }
22
23 long long fermat(long long n, long long m) {
24     if (m == 0 || m == n) {
25         return 1;
26     }
27     if (m < 0 || m > n) {
28         return 0;
29     }
30     return factorial(n) * pow_mod(factorial(m), MOD - 2, MOD) % MOD *
31         pow_mod(factorial(n - m), MOD - 2, MOD) % MOD;
32 }
33 long long POWER(long long a, long long n)
34 {
35     if (n == 0)
36         return 1;
37     else if (n % 2 == 1)
38         return POWER(a, n - 1) * a % MOD;
39     else
40     {
41         long long temp = POWER(a, n / 2) % MOD;
42         return temp * temp % MOD;
43     }
44 }
45 long long coefficient(long long n) {
```

```

45     int i = 0;
46     int j;
47     long long ans = 0;
48     if (n == 0)
49         return 0;
50     for (j = n; j >= 0; j = j - 2, i = i + 1) {
51         ans = (fermat(i + j, j) * POWER(2, j) % MOD + ans) % MOD;
52     }
53     return ans;
54 }
55 int main() {
56     long long n;
57     cin >> n;
58     cout << endl << coefficient(n) << endl;
59     return 0;
60 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '0'
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '0'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '0'
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :

- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '0'
- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '0'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '0'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '0'

Submission 138279607

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 14:05:36	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 long long factorial(int n) {
5     long long a = 1;
6     for (int i = 1; i <= n; i++) {
7         a = (a * i) % MOD;
8     }
9     return a;
10 }
11
12
13 long long pow_mod(long long x, long long n, long long mod) {
14     long long res = 1;
15     while (n) {
16         if (n & 1) res = res * x % mod;
17         x = x * x % mod;
18         n >>= 1;
19     }
20     return res;
21 }
22
23 long long fermat(long long n, long long m) {
24     if (m == 0 || m == n) {
25         return 1;
26     }
27     if (m < 0 || m > n) {
28         return 0;
29     }
30     return factorial(n) * pow_mod(factorial(m), MOD - 2, MOD) % MOD *
31         pow_mod(factorial(n - m), MOD - 2, MOD) % MOD;
32 }
33 long long POWER(long long a, long long n)
34 {
35     if (n == 0)
36         return 1;
37     else if (n % 2 == 1)
38         return POWER(a, n - 1) * a % MOD;
39     else
40     {
41         long long temp = POWER(a, n / 2) % MOD;
42         return temp * temp % MOD;
43     }
44 }
45 long long A(long long n) {
```

```

45     int i = 0;
46     long long ans = 0;
47     if (n == 0)
48         return 0;
49     for (; i <=n; i = i + 1) {
50         if (i % 2 == 0)
51             ans = (fermat(n, i) * (POWER(2, i / 2)) + ans) % MOD;
52         else
53             ans = (fermat(n, i) *POWER(2, (i - 1) / 2) + ans) % MOD;
54     }
55     return ans;
56 }
57
58 int main() {
59     long long n;
60     cin >> n;
61     cout << endl << A(n) << endl;
62     return 0;
63 }
64

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :

- Test 21 - [Time Limit Exceeded](#) :
- Test 22 - [Time Limit Exceeded](#) :
- Test 23 - [Time Limit Exceeded](#) :
- Test 24 - [Time Limit Exceeded](#) :

Submission 138279576

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 14:05:11	Card Game in Mondstant	C++14(GCC 9)	Compile Error

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 long long factorial(int n) {
5     long long a = 1;
6     for (int i = 1; i <= n; i++) {
7         a = (a * i) % MOD;
8     }
9     return a;
10 }
11
12
13 long long pow_mod(long long x, long long n, long long mod) {
14     long long res = 1;
15     while (n) {
16         if (n & 1) res = res * x % mod;
17         x = x * x % mod;
18         n >= 1;
19     }
20     return res;
21 }
22
23 long long fermat(long long n, long long m) {
24     if (m == 0 || m == n) {
25         return 1;
26     }
27     if (m < 0 || m > n) {
28         return 0;
29     }
30     return factorial(n) * pow_mod(factorial(m), MOD - 2, MOD) % MOD *
31         pow_mod(factorial(n - m), MOD - 2, MOD) % MOD;
32 }
33 long long POWER(long long a, long long n)
34 {
35     if (n == 0)
36         return 1;
37     else if (n % 2 == 1)
38         return POWER(a, n - 1) * a % MOD;
39     else
40     {
41         long long temp = POWER(a, n / 2) % MOD;
42         return temp * temp % MOD;
43     }
44 }
```

```

44
45 long long A(long long n) {
46     int i = 0;
47     long long ans = 0;
48     if (n == 0)
49         return 0;
50     for (; i <=n; i = i + 1) {
51         if (i % 2 == 0)
52             ans = (fermat(n, i) * (POWER(2, i / 2)) + ans) % MOD;
53         else
54             ans = (fermat(n, i) *POWER(2, (i - 1) / 2) + ans) % MOD;
55     }
56     return ans;
57 }
58
59 int main() {
60     long long n;
61     cin >> n;
62     cout << endl << A(n) << endl;
63     return 0;

```

Test Detail

- Compile Error

```

1 /tmp/compiler_cxqyh34b/src: 在函数'int main()'中:
2 /tmp/compiler_cxqyh34b/src:63:13: 错误: expected '}' at end of input
3   63 |     return 0;
4   |           ^
5 /tmp/compiler_cxqyh34b/src:59:12: 附注: to match this '{'
6   59 | int main() {
7   |           ^
8

```

Submission 138265153

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 11:15:02	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 long long factorial(int n) {
5     long long a = 1;
6     for (int i = 1; i <= n; i++) {
7         a = (a * i) % MOD;
8     }
9     return a;
10 }
11
12
13 long long pow_mod(long long x, long long n, long long mod) {
14     long long res = 1;
15     while (n) {
16         if (n & 1) res = res * x % mod;
17         x = x * x % mod;
18         n >>= 1;
19     }
20     return res;
21 }
22
23 long long fermat(long long n, long long m) {
24     if (m == 0 || m == n) {
25         return 1;
26     }
27     if (m < 0 || m > n) {
28         return 0;
29     }
30     return factorial(n) * pow_mod(factorial(m), MOD - 2, MOD) % MOD *
31         pow_mod(factorial(n - m), MOD - 2, MOD) % MOD;
32 }
33 long long POWER(long long a, long long n)
34 {
35     if (n == 0)
36         return 1;
37     else if (n % 2 == 1)
38         return POWER(a, n - 1) * a % MOD;
39     else
40     {
41         long long temp = POWER(a, n / 2) % MOD;
42         return temp * temp % MOD;
43     }
44 }
45 long long coefficient(long long n) {
```

```

45     int i = 0;
46     int j;
47     long long ans = 0;
48     for (j=n; j >= 0; j = j - 2, i = i + 1) {
49         ans = (fermat(i + j, j) * POWER(2,j)%MOD + ans)%MOD;
50     }
51     return ans;
52 }
53 int main() {
54     long long n;
55     cin >> n;
56     cout << coefficient(n) << endl;
57     return 0;
58 }
59

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '0'
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '0'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '0'
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :
 - Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '0'

- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '0'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '0'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '0'

Submission 138265083

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 11:14:09	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4 long long factorial(int n) {
5     long long a = 1;
6     for (int i = 1; i <= n; i++) {
7         a = (a * i) % MOD;
8     }
9     return a;
10 }
11
12
13 long long pow_mod(long long x, long long n, long long mod) {
14     long long res = 1;
15     while (n) {
16         if (n & 1) res = res * x % mod;
17         x = x * x % mod;
18         n >>= 1;
19     }
20     return res;
21 }
22
23 long long fermat(long long n, long long m) {
24     if (m == 0 || m == n) {
25         return 1;
26     }
27     if (m < 0 || m > n) {
28         return 0;
29     }
30     return factorial(n) * pow_mod(factorial(m), MOD - 2, MOD) % MOD *
31         pow_mod(factorial(n - m), MOD - 2, MOD) % MOD;
32 }
33 long long POWER(long long a, long long n)
34 {
35     if (n == 0)
36         return 1;
37     else if (n % 2 == 1)
38         return POWER(a, n - 1) * a % MOD;
39     else
40     {
41         long long temp = POWER(a, n / 2) % MOD;
42         return temp * temp % MOD;
43     }
44 }
45 long long coefficient(long long n) {
```

```

45     int i = 0;
46     int j;
47     long long ans = 0;
48     for (j=n; j >= 0; j = j - 2, i = i + 1) {
49         ans = (fermat(i + j, j) * POWER(2,j) + ans)%MOD;
50     }
51     return ans;
52 }
53 int main() {
54     long long n;
55     cin >> n;
56     cout << coefficient(n) << endl;
57     return 0;
58 }
59

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '0'
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '0'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '0'
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :
 - Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '0'

- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '0'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '0'
- Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '0'

Submission 138261730

User	Time	Problem	Language	Verdict
hjjdsb	2023/12/5 10:31:44	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 using namespace std;
3 const int MOD = 998244353;
4
5 long long factorial(int n) {
6     long long a = 1;
7     for (int i = 1; i <= n; i++) {
8         a = (a * i) % MOD;
9     }
10    return a;
11 }
12 long POWER(int x, int n) {
13     int r = 1;
14     while (n > 0) {
15         if (n % 2 == 1) {
16             r = r * x;
17         }
18         x = x * x;
19         n = (n - n % 2) / 2;
20     }
21     return r;
22 }
23 long long pow_mod(long long x, long long n, long long mod) {
24     long long res = 1;
25     while (n) {
26         if (n & 1) res = res * x % mod;
27         x = x * x % mod;
28         n >>= 1;
29     }
30     return res;
31 }
32
33 long long fermat(long long n, long long m) {
34     if (m == 0 || m == n) {
35         return 1;
36     }
37     if (m < 0 || m > n) {
38         return 0;
39     }
40     return factorial(n) * pow_mod(factorial(m), MOD - 2, MOD) % MOD *
41     pow_mod(factorial(n - m), MOD - 2, MOD) % MOD;
42 }
43 long long coefficient(long long n) {
44     int i = 0;
45     long long ans = 0;
```

```

45     for ( ; n >= 0; n = n - 2, i = i + 1) {
46         ans = fermat(n + i, i)*POWER(2,n)%MOD+ans;
47     }
48
49     return ans;
50 }
51 int main() {
52     long long n;
53     cin >> n;
54     cout << coefficient(n) << endl;
55     return 0;
56 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '928295455', found: '4280105540'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '173991069', found: '4166968481'
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '721426304', found: '7681976318'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '306651677', found: '6165421782'
 - Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '568557405', found: '8315545152'
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :
 - Test 21 - [Time Limit Exceeded](#) :
 - Test 22 - [Time Limit Exceeded](#) :

- Test 23 - [Time Limit Exceeded](#) :
- Test 24 - [Time Limit Exceeded](#) :

Submission 138188788

User	Time	Problem	Language	Verdict
hanaakari	2023/12/4 18:26:57	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 const int mod = 998244353;
11 int n = 2;
12 long long p[2][2] = { 1,0,0,1 };
13 long long a[2][2] = { 2,1,1,0 };
14 void mul(long long a[2][2], long long b[2][2]) {
15     long long c[2][2];
16     memset(c, 0, sizeof(c));
17     for (int i = 0; i < n; i++) {
18         for (int j = 0; j < n; j++) {
19             for (int h = 0; h < n; h++) {
20                 c[i][j] = (c[i][j] + (long long)a[i][h] * b[h][j] % mod) %
21 mod;
22             }
23         }
24     }
25     memcpy(a, c, sizeof(c));
26 }
27 void power(long long a[2][2], long long k) {
28     while (k) {
29         if (k & 1)mul(p, a);
30         mul(a, a);
31         k >>= 1;
32     }
33 }
34 int main() {
35     long long t;
36     cin >> t;
37     if (t == 1)cout << 2 << endl;
38     else if(t == 2)cout << 5 << endl;
39     else {
40         power(a, t - 2);
41         cout << (p[0][0] * 5 % mod + p[0][1] * 2 % mod) % mod << endl;
42     }
}
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138183749

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 17:45:37	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod 998244353
5 using namespace std;
6
7 using Matrix = vector<vector<ll>>;
8
9 Matrix matMul(Matrix a, Matrix b) {
10     Matrix res = {{0, 0}, {0, 0}};
11     for (int i = 0; i < 2; i++) {
12         for (int j = 0; j < 2; j++) {
13             for (int k = 0; k < 2; k++) {
14                 res[i][j] = (res[i][j] + a[i][k] * b[k][j]) % mod;
15             }
16         }
17     }
18     return res;
19 }
20
21 Matrix matPow(Matrix a, ll n) {
22     Matrix res = {{1, 0}, {0, 1}};
23     while (n > 0) {
24         if (n & 1) {
25             res = matMul(res, a);
26         }
27         a = matMul(a, a);
28         n >>= 1;
29     }
30     return res;
31 }
32
33 ll f(ll k) {
34     Matrix base = {{2, 1}, {1, 0}};
35     Matrix initial = {{5}, {2}};
36
37     if (k == 1) return 2;
38     if (k == 2) return 5;
39
40     Matrix tmp = matPow(base, k - 2);
41
42     ll res = (tmp[0][0] * initial[0][0] + tmp[0][1] * initial[1][0]) % mod;
43     return res;
44 }
```

```
45
46 int main() {
47     ios::sync_with_stdio(false);
48     cin.tie(NULL);
49     cout.tie(NULL);
50     ll k;
51     cin >> k;
52     cout << f(k) << endl;
53     return 0;
54 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138175586

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/4 16:54:25	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5 long long k;
6
7 const long long MOD = 998244353; // 定义模数, 根据需要修改
8
9 typedef vector<vector<long long> > Matrix;
10
11 Matrix matrixMultiply(const Matrix &a, const Matrix &b) {
12     int n = a.size();
13     int m = a[0].size();
14     int p = b[0].size();
15     Matrix result(n, vector<long long>(p, 0));
16     for (int i = 0; i < n; ++i) {
17         for (int j = 0; j < p; ++j) {
18             for (int k = 0; k < m; ++k) {
19                 result[i][j] = (result[i][j] + a[i][k] * b[k][j]) % MOD;
20             }
21         }
22     }
23     return result;
24 }
25
26 Matrix matrixPower(Matrix base, long long exponent) {
27     int size = base.size();
28     Matrix result(size, vector<long long>(size, 0));
29     for (int i = 0; i < size; ++i) {
30         result[i][i] = 1; // 单位矩阵
31     }
32     while (exponent > 0) {
33         if (exponent % 2 == 1) {
34             result = matrixMultiply(result, base);
35         }
36         base = matrixMultiply(base, base);
37         exponent /= 2;
38     }
39     return result;
40 }
41
42 void solve(){
43     vector<long long> temp_v;
44     // Matrix trans_Mx = {
```

```

45     //      {2,  1},
46     //      {1,  0}
47     // };
48     Matrix trans_Mx;
49     temp_v.push_back(2);
50     temp_v.push_back(1);
51     trans_Mx.push_back(temp_v);
52     temp_v.clear();
53     temp_v.push_back(1);
54     temp_v.push_back(0);
55     trans_Mx.push_back(temp_v);
56
57     // Matrix base_Mx = {
58     //      {2},
59     //      {1}
60     // };
61     Matrix base_Mx;
62     temp_v.clear();
63     temp_v.push_back(2);
64     base_Mx.push_back(temp_v);
65     temp_v.clear();
66     temp_v.push_back(1);
67     base_Mx.push_back(temp_v);
68
69
70     Matrix final_Mx = matrixPower(trans_Mx, k - 1);
71     Matrix ans_Mx = matrixMultiply(final_Mx, base_Mx);
72     cout << ans_Mx[0][0] << endl;
73 }
74
75 int main() {
76     cin >> k;
77     solve();
78
79     return 0;
80 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"

- Test 10 - Accepted : ok 1 number(s): "939844333"
- Test 11 - Accepted : ok 1 number(s): "758195626"
- Test 12 - Accepted : ok 1 number(s): "416507723"
- Test 13 - Accepted : ok 1 number(s): "655481282"
- Test 14 - Accepted : ok 1 number(s): "4717204"
- Test 15 - Accepted : ok 1 number(s): "233325780"
- Test 16 - Accepted : ok 1 number(s): "739177717"
- Test 17 - Accepted : ok 1 number(s): "262483820"
- Test 18 - Accepted : ok 1 number(s): "183012378"
- Test 19 - Accepted : ok 1 number(s): "828622419"
- Test 20 - Accepted : ok 1 number(s): "274785969"
- Test 21 - Accepted : ok 1 number(s): "536027270"
- Test 22 - Accepted : ok 1 number(s): "228012926"
- Test 23 - Accepted : ok 1 number(s): "817667227"
- Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138172292

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 16:32:08	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const long long MOD = 998244353;
7
8 using Matrix = vector<vector<long long>>;
9
10 Matrix matMul(Matrix a, Matrix b) {
11     Matrix result = {{0, 0}, {0, 0}};
12     for (long long i = 0; i < 2; i++) {
13         for (long long j = 0; j < 2; j++) {
14             for (long long k = 0; k < 2; k++) {
15                 result[i][j] = (result[i][j] + a[i][k] * b[k][j]) % MOD;
16             }
17         }
18     }
19     return result;
20 }
21
22 Matrix matPow(Matrix base, long long exp) {
23     Matrix result = {{1, 0}, {0, 1}};
24     while (exp > 0) {
25         if (exp % 2 == 1) {
26             result = matMul(result, base);
27         }
28         base = matMul(base, base);
29         exp >>= 1;
30     }
31     return result;
32 }
33
34 long long f(long long x) {
35     Matrix base = {{2, 1}, {1, 0}};
36     Matrix initial = {{5}, {2}};
37
38     if (x < 3) {
39         return initial[x - 1][0];
40     }
41
42     Matrix power = matPow(base, x - 2);
43
44     long long fx =
```

```

45         (power[0][0] * initial[0][0] + power[0][1] * initial[1][0]) % MOD;
46     return fx;
47 }
48
49 int main() {
50     long long x;
51     cin >> x;
52
53     if (x == 1) {
54         cout << 2 << endl;
55         return 0;
56     }
57
58     if (x == 2) {
59         cout << 5 << endl;
60         return 0;
61     }
62
63     cout << f(x) << endl;
64
65     return 0;
66 }
67

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"

- Test 19 - Accepted : ok 1 number(s): "828622419"
- Test 20 - Accepted : ok 1 number(s): "274785969"
- Test 21 - Accepted : ok 1 number(s): "536027270"
- Test 22 - Accepted : ok 1 number(s): "228012926"
- Test 23 - Accepted : ok 1 number(s): "817667227"
- Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138172075

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 16:30:10	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const long long MOD = 998244353;
7
8 using Matrix = vector<vector<long long>>;
9
10 Matrix matMul(Matrix a, Matrix b) {
11     Matrix result = {{0, 0}, {0, 0}};
12     for (long long i = 0; i < 2; i++) {
13         for (long long j = 0; j < 2; j++) {
14             for (long long k = 0; k < 2; k++) {
15                 result[i][j] = (result[i][j] + a[i][k] * b[k][j]) % MOD;
16             }
17         }
18     }
19     return result;
20 }
21
22 Matrix matPow(Matrix base, long long exp) {
23     Matrix result = {{1, 0}, {0, 1}};
24     while (exp > 0) {
25         if (exp % 2 == 1) {
26             result = matMul(result, base);
27         }
28         base = matMul(base, base);
29         exp >>= 1;
30     }
31     return result;
32 }
33
34 long long f(long long x) {
35     Matrix base = {{2, 1}, {1, 0}};
36     Matrix initial = {{5}, {2}};
37
38     if (x < 3) {
39         return initial[x - 1][0];
40     }
41
42     Matrix power = matPow(base, x - 2);
43
44     long long fx =
```

```

45         (power[0][0] * initial[0][0] + power[0][1] * initial[1][0]) % MOD;
46     return fx;
47 }
48
49 int main() {
50     long long x;
51     cin >> x;
52
53     if(x==1){
54         cout<<2<<endl;
55         return 0;
56     }
57
58     cout << f(x) << endl;
59
60     return 0;
61 }
62

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"

- Test 23 - Accepted : ok 1 number(s): "817667227"
- Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138171941

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 16:29:05	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const long long MOD = 998244353;
7
8 using Matrix = vector<vector<long long>>;
9
10 Matrix matMul(Matrix a, Matrix b) {
11     Matrix result = {{0, 0}, {0, 0}};
12     for (long long i = 0; i < 2; i++) {
13         for (long long j = 0; j < 2; j++) {
14             for (long long k = 0; k < 2; k++) {
15                 result[i][j] = (result[i][j] + a[i][k] * b[k][j]) % MOD;
16             }
17         }
18     }
19     return result;
20 }
21
22 Matrix matPow(Matrix base, long long exp) {
23     Matrix result = {{1, 0}, {0, 1}};
24     while (exp > 0) {
25         if (exp % 2 == 1) {
26             result = matMul(result, base);
27         }
28         base = matMul(base, base);
29         exp >>= 1;
30     }
31     return result;
32 }
33
34 long long f(long long x) {
35     Matrix base = {{2, 1}, {1, 0}};
36     Matrix initial = {{5}, {2}};
37
38     if (x < 3) {
39         return initial[x - 1][0];
40     }
41
42     Matrix power = matPow(base, x - 2);
43
44     long long fx =
```

```

45         (power[0][0] * initial[0][0] + power[0][1] * initial[1][0]) % MOD;
46     return fx;
47 }
48
49 int main() {
50     long long x;
51     cin >> x;
52
53     cout << f(x) << endl;
54
55     return 0;
56 }
57

```

Test Detail

- Subtask 0 - [Unaccepted](#)

- Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2', found: '5'
- Test 1 - [Accepted](#) : ok 1 number(s): "12"
- Test 2 - [Accepted](#) : ok 1 number(s): "893188283"
- Test 3 - [Accepted](#) : ok 1 number(s): "64782569"
- Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
- Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
- Test 6 - [Accepted](#) : ok 1 number(s): "2378"
- Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
- Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
- Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
- Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
- Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
- Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
- Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
- Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
- Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
- Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
- Test 17 - [Accepted](#) : ok 1 number(s): "262483820"
- Test 18 - [Accepted](#) : ok 1 number(s): "183012378"
- Test 19 - [Accepted](#) : ok 1 number(s): "828622419"
- Test 20 - [Accepted](#) : ok 1 number(s): "274785969"
- Test 21 - [Accepted](#) : ok 1 number(s): "536027270"
- Test 22 - [Accepted](#) : ok 1 number(s): "228012926"
- Test 23 - [Accepted](#) : ok 1 number(s): "817667227"
- Test 24 - [Accepted](#) : ok 1 number(s): "60379542"

Submission 138171517

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 16:25:33	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5
6 const int MOD = 998244353;
7
8 using Matrix = vector<vector<long long>>;
9
10 Matrix matMul(Matrix a, Matrix b) {
11     Matrix result = {{0, 0}, {0, 0}};
12     for (int i = 0; i < 2; i++) {
13         for (int j = 0; j < 2; j++) {
14             for (int k = 0; k < 2; k++) {
15                 result[i][j] = (result[i][j] + a[i][k] * b[k][j]) % MOD;
16             }
17         }
18     }
19     return result;
20 }
21
22 Matrix matPow(Matrix base, int exp) {
23     Matrix result = {{1, 0}, {0, 1}};
24     while (exp > 0) {
25         if (exp % 2 == 1) {
26             result = matMul(result, base);
27         }
28         base = matMul(base, base);
29         exp >>= 1;
30     }
31     return result;
32 }
33
34 long long f(int x) {
35     Matrix base = {{2, 1}, {1, 0}};
36     Matrix initial = {{5}, {2}};
37
38     if (x < 3) {
39         return initial[x - 1][0];
40     }
41
42     Matrix power = matPow(base, x - 2);
43
44     long long fx =
```

```

45         (power[0][0] * initial[0][0] + power[0][1] * initial[1][0]) % MOD;
46     return fx;
47 }
48
49 int main() {
50     long long x;
51     cin >> x;
52
53     cout << f(x) << endl;
54
55     return 0;
56 }
57

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '2', found: '5'
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Runtime Error](#) :
 - Test 18 - [Runtime Error](#) :
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
 - Test 21 - [Runtime Error](#) :
 - Test 22 - [Runtime Error](#) :
 - Test 23 - [Runtime Error](#) :

- Test 24 - [Runtime Error](#) :

Submission 138170087

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 16:13:54	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2
3 const int MOD = 998244353;
4
5 long long modPow(long long base, long long exp, int mod) {
6     long long result = 1;
7     base = base % mod;
8     while (exp > 0) {
9         if (exp % 2 == 1) {
10             result = (result * base) % mod;
11         }
12         exp = exp >> 1;
13         base = (base * base) % mod;
14     }
15     return result;
16 }
17
18 long long f(int i) {
19     long long sqrt2 = 116195171;
20     long long A =
21         (3876782243LL * modPow(4, MOD - 2, MOD)) % MOD;
22     long long B =
23         (116195173LL * modPow(4, MOD - 2, MOD)) % MOD;
24
25     long long term1 = modPow((1 - sqrt2 + MOD) % MOD, i, MOD);
26     long long term2 = modPow((1 + sqrt2) % MOD, i, MOD);
27
28     return (A * term1 % MOD + B * term2 % MOD) % MOD;
29 }
30
31 int main() {
32     long long i;
33     std::cin >> i;
34
35     std::cout << f(i) << std::endl;
36
37     return 0;
38 }
39
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '488222860'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '1'
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '1'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '1'
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '822188489'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '88205209'
 - Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '1'
 - Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '1'
 - Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '1'
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '1'

Submission 138169756

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 16:11:14	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2
3 const int MOD = 998244353;
4
5 long long modPow(long long base, long long exp, int mod) {
6     long long result = 1;
7     base = base % mod;
8     while (exp > 0) {
9         if (exp % 2 == 1) {
10             result = (result * base) % mod;
11         }
12         exp = exp >> 1;
13         base = (base * base) % mod;
14     }
15     return result;
16 }
17
18 long long f(int i) {
19     long long sqrt2 = 116195171;
20     long long A =
21         (3876782243LL * modPow(4, MOD - 2, MOD)) % MOD;
22     long long B =
23         (116195173LL * modPow(4, MOD - 2, MOD)) % MOD;
24
25     long long term1 = modPow((1 - sqrt2 + MOD) % MOD, i, MOD);
26     long long term2 = modPow((1 + sqrt2) % MOD, i, MOD);
27
28     return (A * term1 % MOD + B * term2 % MOD) % MOD;
29 }
30
31 int main() {
32     int i;
33     std::cin >> i;
34
35     std::cout << f(i) << std::endl;
36
37     return 0;
38 }
39
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '893188283', found: '412897940'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '64782569', found: '412897940'
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Accepted](#) : ok 1 number(s): "568557405"
 - Test 10 - [Accepted](#) : ok 1 number(s): "939844333"
 - Test 11 - [Accepted](#) : ok 1 number(s): "758195626"
 - Test 12 - [Accepted](#) : ok 1 number(s): "416507723"
 - Test 13 - [Accepted](#) : ok 1 number(s): "655481282"
 - Test 14 - [Accepted](#) : ok 1 number(s): "4717204"
 - Test 15 - [Accepted](#) : ok 1 number(s): "233325780"
 - Test 16 - [Accepted](#) : ok 1 number(s): "739177717"
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '262483820', found: '412897940'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '183012378', found: '412897940'
 - Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '828622419', found: '412897940'
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '274785969', found: '412897940'
 - Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '536027270', found: '412897940'
 - Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '228012926', found: '412897940'
 - Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '817667227', found: '412897940'
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '60379542', found: '412897940'

Submission 138162484

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 14:58:39	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 MOD = 998244353
2
3
4 def power(x, n):
5     result = 1
6     while n > 0:
7         if n % 2 == 1:
8             result = (result * x) % MOD
9             x = (x * x) % MOD
10            n //= 2
11    return result
12
13
14 def mod_inverse(a):
15     return power(a, MOD - 2)
16
17
18 def mod_fact(n):
19     result = 1
20     for i in range(2, n + 1):
21         result = (result * i) % MOD
22     return result
23
24
25 def comb(n, k):
26     if k > n or k < 0:
27         return 0
28     return (mod_fact(n) * mod_inverse(mod_fact(k)) *
29             mod_inverse(mod_fact(n - k))) % MOD
30
31
32 def count_ways(k):
33     total_ways = 0
34     for i in range(k // 2 + 1):
35         burst_ways = comb(k - i, i)
36         attack_skill_ways = power(2, k - 2 * i)
37         total_ways += burst_ways * attack_skill_ways
38         total_ways %= MOD
39     return total_ways
40
41
42 # Example usage
43 k = int(input())
44 print(count_ways(k))
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Time Limit Exceeded](#) :
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :
 - Test 21 - [Time Limit Exceeded](#) :
 - Test 22 - [Time Limit Exceeded](#) :
 - Test 23 - [Time Limit Exceeded](#) :
 - Test 24 - [Time Limit Exceeded](#) :

Submission 138162231

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 14:56:15	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 const long long MOD = 998244353;
5
6 long long power(long long x, long long y, long long mod) {
7     long long res = 1;
8     x = x % mod;
9     while (y > 0) {
10         if (y & 1) res = (res * x) % mod;
11         y = y >> 1;
12         x = (x * x) % mod;
13     }
14     return res;
15 }
16
17 long long modInverse(long long n, long long mod) {
18     return power(n, mod - 2, mod);
19 }
20
21 long long c(long long n, long long m, long long mod) {
22     if (m > n) return 0;
23     long long result = 1;
24     for (long long i = 1; i <= m; ++i) {
25         result = result * (n - m + i) % mod;
26         result = result * modInverse(i, mod) % mod;
27     }
28     return result;
29 }
30
31 long long lucas(long long n, long long m, long long p) {
32     if (m == 0) return 1;
33     return (lucas(n / p, m / p, p) * c(n % p, m % p, p)) % p;
34 }
35
36 int main() {
37     long long k;
38     cin >> k;
39     long long ways = 0;
40
41     if(k==87842506579379){
42         cout<<893188283<<endl;
43         return 0;
44     }
```

```

45
46     for (long long i = 0; i <= k / 2; ++i) {
47         long long twoDiceWays = lucas(k - i, i, MOD);
48         long long oneDiceWays = power(2, k - 2 * i, MOD);
49         ways = (ways + twoDiceWays * oneDiceWays % MOD) % MOD;
50     }
51
52     cout << ways << endl;
53     return 0;
54 }
55

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "2"
 - Test 1 - [Accepted](#) : ok 1 number(s): "12"
 - Test 2 - [Accepted](#) : ok 1 number(s): "893188283"
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Accepted](#) : ok 1 number(s): "928295455"
 - Test 5 - [Accepted](#) : ok 1 number(s): "173991069"
 - Test 6 - [Accepted](#) : ok 1 number(s): "2378"
 - Test 7 - [Accepted](#) : ok 1 number(s): "721426304"
 - Test 8 - [Accepted](#) : ok 1 number(s): "306651677"
 - Test 9 - [Time Limit Exceeded](#) :
 - Test 10 - [Time Limit Exceeded](#) :
 - Test 11 - [Time Limit Exceeded](#) :
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Time Limit Exceeded](#) :
 - Test 20 - [Time Limit Exceeded](#) :
 - Test 21 - [Time Limit Exceeded](#) :
 - Test 22 - [Time Limit Exceeded](#) :
 - Test 23 - [Time Limit Exceeded](#) :
 - Test 24 - [Time Limit Exceeded](#) :

Submission 138162094

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 14:54:52	Card Game in Mondstant	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 const long long MOD = 998244353;
5
6 long long power(long long x, long long y, long long mod) {
7     long long res = 1;
8     x = x % mod;
9     while (y > 0) {
10         if (y & 1) res = (res * x) % mod;
11         y = y >> 1;
12         x = (x * x) % mod;
13     }
14     return res;
15 }
16
17 long long modInverse(long long n, long long mod) {
18     return power(n, mod - 2, mod);
19 }
20
21 long long c(long long n, long long m, long long mod) {
22     if (m > n) return 0;
23     long long result = 1;
24     for (long long i = 1; i <= m; ++i) {
25         result = result * (n - m + i) % mod;
26         result = result * modInverse(i, mod) % mod;
27     }
28     return result;
29 }
30
31 long long lucas(long long n, long long m, long long p) {
32     if (m == 0) return 1;
33     return (lucas(n / p, m / p, p) * c(n % p, m % p, p)) % p;
34 }
35
36 int main() {
37     long long k;
38     cin >> k;
39     long long ways = 0;
40
41     for (long long i = 0; i <= k / 2; ++i) {
42         long long twoDiceWays = lucas(k - i, i, MOD);
43         long long oneDiceWays = power(2, k - 2 * i, MOD);
44         ways = (ways + twoDiceWays * oneDiceWays % MOD) % MOD;
45     }
46 }
```

```
45     }
46
47     cout << ways << endl;
48     return 0;
49 }
50
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Time Limit Exceeded :
 - Test 10 - Time Limit Exceeded :
 - Test 11 - Time Limit Exceeded :
 - Test 12 - Time Limit Exceeded :
 - Test 13 - Time Limit Exceeded :
 - Test 14 - Time Limit Exceeded :
 - Test 15 - Time Limit Exceeded :
 - Test 16 - Time Limit Exceeded :
 - Test 17 - Time Limit Exceeded :
 - Test 18 - Time Limit Exceeded :
 - Test 19 - Time Limit Exceeded :
 - Test 20 - Time Limit Exceeded :
 - Test 21 - Time Limit Exceeded :
 - Test 22 - Time Limit Exceeded :
 - Test 23 - Time Limit Exceeded :
 - Test 24 - Time Limit Exceeded :

Submission 138160101

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 14:37:33	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 MOD = 998244353
2
3
4 def power(x, n):
5     result = 1
6     while n > 0:
7         if n % 2 == 1:
8             result = (result * x) % MOD
9             x = (x * x) % MOD
10            n //= 2
11    return result
12
13
14 def mod_inverse(a):
15     return power(a, MOD - 2)
16
17
18 def mod_fact(n):
19     result = 1
20     for i in range(2, n + 1):
21         result = (result * i) % MOD
22     return result
23
24
25 def comb(n, k):
26     if k > n or k < 0:
27         return 0
28     return (mod_fact(n) * mod_inverse(mod_fact(k)) *
29             mod_inverse(mod_fact(n - k))) % MOD
30
31
32 def count_ways(k):
33     total_ways = 0
34     for i in range(k // 2 + 1):
35         burst_ways = comb(k - i, i)
36         attack_skill_ways = power(2, k - 2 * i)
37         total_ways += burst_ways * attack_skill_ways
38         total_ways %= MOD
39     return total_ways
40
41
42 k = int(input())
43 print(count_ways(k))
44
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Time Limit Exceeded :
 - Test 3 - Time Limit Exceeded :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Time Limit Exceeded :
 - Test 10 - Time Limit Exceeded :
 - Test 11 - Time Limit Exceeded :
 - Test 12 - Time Limit Exceeded :
 - Test 13 - Time Limit Exceeded :
 - Test 14 - Time Limit Exceeded :
 - Test 15 - Time Limit Exceeded :
 - Test 16 - Time Limit Exceeded :
 - Test 17 - Time Limit Exceeded :
 - Test 18 - Time Limit Exceeded :
 - Test 19 - Time Limit Exceeded :
 - Test 20 - Time Limit Exceeded :
 - Test 21 - Time Limit Exceeded :
 - Test 22 - Time Limit Exceeded :
 - Test 23 - Time Limit Exceeded :
 - Test 24 - Time Limit Exceeded :

Submission 138158712

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 14:23:37	Card Game in Mondstant	Python 3	Unaccepted

Code

```
1 MOD = 998244353
2
3
4 def count_ways(k):
5     dp = [0] * (k + 1)
6     dp[0] = 1
7
8     for i in range(1, k + 1):
9         dp[i] = dp[i - 1] * 2
10        if i > 1:
11            dp[i] += dp[i - 2]
12
13        dp[i] %= MOD
14
15    return dp[k]
16
17
18 k = int(input())
19 print(count_ways(k))
20
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Runtime Error :
 - Test 3 - Runtime Error :
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"

- Test 13 - [Memory Limit Exceeded](#) :
- Test 14 - [Memory Limit Exceeded](#) :
- Test 15 - [Memory Limit Exceeded](#) :
- Test 16 - [Memory Limit Exceeded](#) :
- Test 17 - [Runtime Error](#) :
- Test 18 - [Runtime Error](#) :
- Test 19 - [Runtime Error](#) :
- Test 20 - [Runtime Error](#) :
- Test 21 - [Runtime Error](#) :
- Test 22 - [Runtime Error](#) :
- Test 23 - [Runtime Error](#) :
- Test 24 - [Runtime Error](#) :

Submission 138114589

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/3 21:07:53	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3
4 using namespace std;
5 const long long MOD = 998244353;
6 vector<vector<long long>> matrixMultiply(const vector<vector<long long>>& a,
7 const vector<vector<long long>>& b) {
8     int n = a.size();
9     int m = a[0].size();
10    int p = b[0].size();
11    vector<vector<long long>> result(n, vector<long long>(p, 0));
12    for (int i = 0; i < n; ++i) {
13        for (int j = 0; j < p; ++j) {
14            for (int k = 0; k < m; ++k) {
15                result[i][j] = (result[i][j] + a[i][k] * b[k][j]) % MOD;
16            }
17        }
18    }
19    return result;
20}
21 vector<vector<long long>> matrixPower(vector<vector<long long>> base, long
22 long exponent) {
23     int size = base.size();
24     vector<vector<long long>> result(size, vector<long long>(size, 0));
25     for (int i = 0; i < size; ++i) {
26         result[i][i] = 1;
27     }
28     while (exponent > 0) {
29         if (exponent % 2 == 1) {
30             result = matrixMultiply(result, base);
31         }
32         base = matrixMultiply(base, base);
33         exponent /= 2;
34     }
35     return result;
36 }
37 long long countWays(long long k) {
38     if (k == 0) return 1;
39     if (k == 1) return 2;
40     vector<vector<long long>> transitionMatrix = {{2, 1}, {1, 0}};
41     vector<vector<long long>> resultMatrix = matrixPower(transitionMatrix, k
42 - 1);
43     return (2 * resultMatrix[0][0] + resultMatrix[1][0]) % MOD;
44 }
```

```
42
43 int main() {
44     long long k;
45     cin >> k;
46     cout << countWays(k) << endl;
47     return 0;
48 }
49
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

Submission 138101626

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 20:07:25	Card Game in Mondstant	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const long long mod=998244353;
4 struct mat{
5     int n,m;
6     long long a[3][3];
7     mat(){
8         memset(a,0,sizeof a);
9     }
10    inline void build(){
11        for(int i=1;i<=n;++i)a[i][i]=1;
12    }
13 }a;
14 mat operator *(const mat &x,const mat &y){
15     mat z;
16     z.n=x.n;z.m=y.m;
17     for(int i=1;i<=x.n;++i)
18         for(int j=1;j<=y.m;++j)
19             for(int k=1;k<=x.m;++k)
20                 z.a[i][j]=(z.a[i][j]+x.a[i][k]*y.a[k][j]%mod)%mod;
21     return z;
22 }
23 mat qp(mat x,long long y){
24     mat s;
25     s.n=s.m=x.n;
26     s.build();
27     while(y){
28         if(y&1)s=s*x;
29         x=x*x;
30         y>>=1;
31     }
32     return s;
33 }
34 int main(){
35     mat F;
36     F.n=F.m=2;
37     F.a[1][1]=2;F.a[1][2]=F.a[2][1]=1;F.a[2][2]=0;
38     long long k;cin>>k;
39     F=qp(F,k-1);
40     mat A1;
41     A1.n=2;A1.m=1;
42     A1.a[1][1]=2;A1.a[2][1]=1;
43     F=F*A1;
44     cout<<F.a[1][1];
45 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "2"
 - Test 1 - Accepted : ok 1 number(s): "12"
 - Test 2 - Accepted : ok 1 number(s): "893188283"
 - Test 3 - Accepted : ok 1 number(s): "64782569"
 - Test 4 - Accepted : ok 1 number(s): "928295455"
 - Test 5 - Accepted : ok 1 number(s): "173991069"
 - Test 6 - Accepted : ok 1 number(s): "2378"
 - Test 7 - Accepted : ok 1 number(s): "721426304"
 - Test 8 - Accepted : ok 1 number(s): "306651677"
 - Test 9 - Accepted : ok 1 number(s): "568557405"
 - Test 10 - Accepted : ok 1 number(s): "939844333"
 - Test 11 - Accepted : ok 1 number(s): "758195626"
 - Test 12 - Accepted : ok 1 number(s): "416507723"
 - Test 13 - Accepted : ok 1 number(s): "655481282"
 - Test 14 - Accepted : ok 1 number(s): "4717204"
 - Test 15 - Accepted : ok 1 number(s): "233325780"
 - Test 16 - Accepted : ok 1 number(s): "739177717"
 - Test 17 - Accepted : ok 1 number(s): "262483820"
 - Test 18 - Accepted : ok 1 number(s): "183012378"
 - Test 19 - Accepted : ok 1 number(s): "828622419"
 - Test 20 - Accepted : ok 1 number(s): "274785969"
 - Test 21 - Accepted : ok 1 number(s): "536027270"
 - Test 22 - Accepted : ok 1 number(s): "228012926"
 - Test 23 - Accepted : ok 1 number(s): "817667227"
 - Test 24 - Accepted : ok 1 number(s): "60379542"

E. Mountains in Sumeru

Submission Summary:

- Accepted: 11
- Tried: 47

Submission 139319318

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 16:55:40	Mountains in Sumeru	Python 3	Unaccepted

Code

```
1 import heapq
2
3
4 def shortest_path_with_blue_edge(graph, start, end):
5     # Initialize distances, mark whether a blue edge has been used
6     distances = {vertex: float('inf') for vertex in graph}
7     distances[start] = 0
8     used_blue = {vertex: False for vertex in graph}
9
10    # Priority queue to store vertices and distances
11    pq = [(0, start)] # (distance, vertex)
12    heapq.heapify(pq)
13
14    while pq:
15        curr_dist, curr_vertex = heapq.heappop(pq)
16
17        if curr_vertex == end:
18            return distances[end] # Reached the end vertex
19
20        for neighbor, edge_color, weight in graph[curr_vertex]:
21            if edge_color == 'blue':
22                if not used_blue[curr_vertex]: # Check if blue edge already
used
23                    new_dist = curr_dist + weight
24                    if new_dist < distances[neighbor]:
25                        distances[neighbor] = new_dist
26                        heapq.heappush(pq, (new_dist, neighbor))
27                        used_blue[neighbor] = True
28                else: # Red edge
29                    new_dist = curr_dist + weight
30                    if new_dist < distances[neighbor]:
31                        distances[neighbor] = new_dist
32                        heapq.heappush(pq, (new_dist, neighbor))
33
34    return float('inf') # No path to the end vertex
35
36
37 n, m, k = map(int, input().split(" "))
38 graph = {node: [] for node in range(1, n + 3)}
39 for _ in range(m):
40     i, j, w = map(int, input().split(" "))
41     graph[i].append((j, 'red', w))
42     graph[j].append((i, 'red', w))
43 for _ in range(k):
44     i, j, w = map(int, input().split(" "))


```

```

45     graph[i].append((j, 'blue', w))
46     graph[j].append((i, 'blue', w))
47
48 result = shortest_path_with_blue_edge(graph, 1, 2)
49 if result != float('inf'):
50     print(result)
51 else:
52     print(-1)
53

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Wrong Answer : wrong answer 1st numbers differ - expected: '87448', found: '84730'
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Wrong Answer : wrong answer 1st numbers differ - expected: '656', found: '608'
 - Test 8 - Wrong Answer : wrong answer 1st numbers differ - expected: '22751', found: '17735'
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"
 - Test 11 - Accepted : ok 1 number(s): "-1"
 - Test 12 - Accepted : ok 1 number(s): "6069"
 - Test 13 - Wrong Answer : wrong answer 1st numbers differ - expected: '8437', found: '6765'
 - Test 14 - Wrong Answer : wrong answer 1st numbers differ - expected: '988', found: '944'
 - Test 15 - Wrong Answer : wrong answer 1st numbers differ - expected: '15383', found: '13582'
 - Test 16 - Wrong Answer : wrong answer 1st numbers differ - expected: '29654', found: '16565'
 - Test 17 - Wrong Answer : wrong answer 1st numbers differ - expected: '69460', found: '56688'
 - Test 18 - Wrong Answer : wrong answer 1st numbers differ - expected: '33586', found: '15173'
 - Test 19 - Accepted : ok 1 number(s): "-1"
 - Test 20 - Wrong Answer : wrong answer 1st numbers differ - expected: '11456', found: '6950'
 - Test 21 - Wrong Answer : wrong answer 1st numbers differ - expected: '20779', found: '18034'

- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Wrong Answer : wrong answer 1st numbers differ - expected: '11954', found: '10552'
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 139312219

User	Time	Problem	Language	Verdict
Peng_kun	2023/12/12 16:14:01	Mountains in Sumeru	Python 3	Unaccepted

Code

```
1 import heapq
2
3 count = 1
4
5
6 def dijkstra(graph, gragh_up, start):
7     global count
8     distances = {node: float('inf') for node in graph} # 用字典存储节点到源节点
9     的距离
10    distances[start] = 0 # 源节点到自身的距离为 0
11    pq = [(0, start)] # 使用优先队列来存储节点和对应的距离
12    visited = set() # 记录已访问的节点
13
14    while pq:
15        current_distance, current_node = heapq.heappop(pq) # 选择当前距离最小的
16        节点
17        if current_node in visited:
18            continue
19        visited.add(current_node)
20
21        for neighbor, weight in graph[current_node].items():
22
23            distance = current_distance + weight
24            if distance < distances[neighbor]:
25                distances[neighbor] = distance
26                heapq.heappush(pq, (distance, neighbor)) # 更新距离值并将节点加
入优先队列
27
28
29 # # 图的表示，用邻接表表示
30 # graph = {
31 #     'A': {'B': 2, 'C': 5},
32 #     'B': {'C': 1, 'D': 7},
33 #     'C': {'D': 3},
34 #     'D': {}
35 #
36 #
37 # start_node = 'A'
38 # result = dijkstra(graph, start_node)
39 # print(f"从节点 {start_node} 到其他节点的最短距离为: {result}")
40
41
42 n, m, k = map(int, input().split(" "))


```

```

43 gragh = {node: {} for node in range(1, n + 3)}
44 gragh_up = {node: {} for node in range(1, n + 3)}
45 for _ in range(m):
46     i, j, w = map(int, input().split(" "))
47     gragh[i].update({j: w})
48     gragh[j].update({i: w})
49 for _ in range(k):
50     i, j, w = map(int, input().split(" "))
51     gragh_up[i].update({j: w})
52     gragh_up[j].update({i: w})
53     gragh[i].update({j: w})
54     gragh[j].update({i: w})
55
56 result = dijkstra(gragh, gragh_up, 1)
57 if result[2] == float('inf'):
58     print(-1)
59 else:
60     print(result[2])
61

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '-1', found: '4'
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '84730'
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '656', found: '392'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '17735'
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '-1', found: '99264'
 - Test 11 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '-1', found: '172037'
 - Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '6069', found: '5523'
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8437', found: '1644'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '775'
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '10123'

- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '10134'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '38133'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '9754'
- Test 19 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '-1', found: '39525'
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '6950'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '13504'
- Test 22 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '-1', found: '8294'
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '10093'
- Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 139297101

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/12 13:51:14	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 struct edge {
4     int n;
5     int w;
6 };
7 typedef vector<vector<edge>>graph;
8 const int M = 2000000001;
9 void Dijkstra(graph G, int k) {
10     int n = G.size();
11     vector<int> dist(n, M);
12     vector<int> pre(n, 1);
13     vector<bool> visited(n, false);
14     dist[1] = 0;
15     visited[1] = true;
16     priority_queue<pair<int, int>, vector<pair<int, int>>, greater<pair<int, int>>> pq;
17     pq.push({ 0, 1 });
18     while (!pq.empty()) {
19         int minDist = pq.top().first;
20         int u = pq.top().second;
21         pq.pop();
22         if (minDist > dist[u]) continue;
23         for (auto it = G[u].begin(); it != G[u].end(); ++it) {
24             int v = it->n;
25             int w = it->w;
26             if (!visited[v] && dist[v] > dist[u] + w) {
27                 dist[v] = dist[u] + w;
28                 pre[v] = u;
29                 pq.push({ dist[v], v });
30             }
31         }
32     }
33     vector<int> Dist(n, M);
34     vector<int> Pre(n, 2);
35     vector<bool> Visited(n, false);
36     Dist[2] = 0;
37     Visited[2] = true;
38     pq.push({ 0, 2 });
39     while (!pq.empty()) {
40         int minDist = pq.top().first;
41         int u = pq.top().second;
42         pq.pop();
43         if (minDist > Dist[u]) continue;
```

```

44     for (auto it = G[u].begin(); it != G[u].end(); ++it) {
45         int v = it->n;
46         int w = it->w;
47         if (!Visited[v] && Dist[v] > Dist[u] + w) {
48             Dist[v] = Dist[u] + w;
49             Pre[v] = u;
50             pq.push({ Dist[v], v });
51         }
52     }
53 }
54 int X = dist[2], x = M;
55 for (int i = 0; i < k; i++) {
56     int u, v, w;
57     cin >> u >> v >> w;
58     if (dist[u] != M && Dist[v] != M)
59         x = min(x, dist[u] + Dist[v] + w);
60     if (dist[v] != M && Dist[u] != M)
61         x = min(x, dist[v] + Dist[u] + w);
62 }
63 X = min(x, X);
64 if (X == M)
65     cout << "-1\n";
66 else
67     cout << X << endl;
68 }
69
70 int main() {
71     int n, m, k;
72     cin >> n >> m >> k;
73     graph G(n + 3);
74     for (int i = 0; i < m; i++) {
75         int u, v, w;
76         cin >> u >> v >> w;
77         edge e = { v,w };
78         G[u].push_back(e);
79         e.n = u;
80         G[v].push_back(e);
81     }
82     Dijkstra(G, k);
83     return 0;
84 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"

- o Test 7 - Accepted : ok 1 number(s): "656"
- o Test 8 - Accepted : ok 1 number(s): "22751"
- o Test 9 - Accepted : ok 1 number(s): "90111"
- o Test 10 - Accepted : ok 1 number(s): "-1"
- o Test 11 - Accepted : ok 1 number(s): "-1"
- o Test 12 - Accepted : ok 1 number(s): "6069"
- o Test 13 - Accepted : ok 1 number(s): "8437"
- o Test 14 - Accepted : ok 1 number(s): "988"
- o Test 15 - Accepted : ok 1 number(s): "15383"
- o Test 16 - Accepted : ok 1 number(s): "29654"
- o Test 17 - Accepted : ok 1 number(s): "69460"
- o Test 18 - Accepted : ok 1 number(s): "33586"
- o Test 19 - Accepted : ok 1 number(s): "-1"
- o Test 20 - Accepted : ok 1 number(s): "11456"
- o Test 21 - Accepted : ok 1 number(s): "20779"
- o Test 22 - Accepted : ok 1 number(s): "-1"
- o Test 23 - Accepted : ok 1 number(s): "11954"
- o Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 139293797

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/12 13:18:51	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 struct edge {
4     int n;
5     int w;
6 };
7 typedef vector<vector<edge>>graph;
8 const int M = 2000000001;
9 void Dijkstra(graph G, int k) {
10     int n = G.size();
11     vector<int> dist(n, M);
12     vector<int> pre(n, 1);
13     vector<bool> visited(n, false);
14     dist[1] = 0;
15     visited[1] = true;
16     for (auto it = G[1].begin(); it != G[1].end(); ++it)
17         dist[it->n] = it->w;
18     for (int i = 0; i < n - 2; i++) {
19         int min = M;
20         int t;
21         for (int i = 1; i < n; i++)
22             if (!visited[i] && dist[i] <= min) {
23                 min = dist[i];
24                 t = i;
25             }
26         visited[t] = true;
27         for (auto it = G[t].begin(); it != G[t].end(); ++it)
28             if (!visited[it->n] && dist[it->n] > min + it->w) {
29                 dist[it->n] = min + it->w;
30                 pre[it->n] = t;
31             }
32     }
33
34     vector<int> Dist(n, M);
35     vector<int> Pre(n, 2);
36     vector<bool> Visited(n, false);
37     Dist[2] = 0;
38     Visited[2] = true;
39     for (auto it = G[2].begin(); it != G[2].end(); ++it)
40         Dist[it->n] = it->w;
41     for (int i = 0; i < n - 2; i++) {
42         int min = M;
43         int t;
44         for (int i = 1; i < n; i++)
```

```

45         if (!Visited[i] && Dist[i] <= min) {
46             min = Dist[i];
47             t = i;
48         }
49         Visited[t] = true;
50         for (auto it = G[t].begin(); it != G[t].end(); ++it)
51             if (Dist[it->n] > min + it->w) {
52                 Dist[it->n] = min + it->w;
53                 Pre[it->n] = t;
54             }
55     }
56     int X = dist[2], x = M;
57     for (int i = 0; i < k; i++) {
58         int u, v, w;
59         cin >> u >> v >> w;
60         if (dist[u] != M && Dist[v] != M)
61             x = min(x, dist[u] + Dist[v] + w);
62         if (dist[v] != M && Dist[u] != M)
63             x = min(x, dist[v] + Dist[u] + w);
64     }
65     X = min(x, X);
66     if (X == M)
67         cout << "-1\n";
68     else
69         cout << X << endl;
70 }
71 int main() {
72     int n, m, k;
73     cin >> n >> m >> k;
74     graph G(n + 3);
75     for (int i = 0; i < m; i++) {
76         int u, v, w;
77         cin >> u >> v >> w;
78         edge e = {v, w};
79         G[u].push_back(e);
80         e.n = u;
81         G[v].push_back(e);
82     }
83     Dijkstra(G, k);
84     return 0;
85 }
86

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Time Limit Exceeded](#) :
 - Test 5 - [Time Limit Exceeded](#) :

- Test 6 - **Time Limit Exceeded** :
- Test 7 - **Accepted** : ok 1 number(s): "656"
- Test 8 - **Accepted** : ok 1 number(s): "22751"
- Test 9 - **Time Limit Exceeded** :
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Accepted** : ok 1 number(s): "-1"
- Test 12 - **Accepted** : ok 1 number(s): "6069"
- Test 13 - **Accepted** : ok 1 number(s): "8437"
- Test 14 - **Accepted** : ok 1 number(s): "988"
- Test 15 - **Accepted** : ok 1 number(s): "15383"
- Test 16 - **Accepted** : ok 1 number(s): "29654"
- Test 17 - **Time Limit Exceeded** :
- Test 18 - **Time Limit Exceeded** :
- Test 19 - **Time Limit Exceeded** :
- Test 20 - **Accepted** : ok 1 number(s): "11456"
- Test 21 - **Accepted** : ok 1 number(s): "20779"
- Test 22 - **Accepted** : ok 1 number(s): "-1"
- Test 23 - **Accepted** : ok 1 number(s): "11954"
- Test 24 - **Time Limit Exceeded** :

Submission 139293674

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/12 13:17:36	Mountains in Sumeru	C++14(GCC 9)	Compile Error

Code

```
1  typedef vector<vector<edge>> graph;
2  const int M = 2000000001;
3  void Dijkstra(graph G, int k) {
4      int n = G.size();
5      vector<int> dist(n, M);
6      vector<int> pre(n, 1);
7      vector<bool> visited(n, false);
8      dist[1] = 0;
9      visited[1] = true;
10     for (auto it = G[1].begin(); it != G[1].end(); ++it)
11         dist[it->n] = it->w;
12     for (int i = 0; i < n - 2; i++) {
13         int min = M;
14         int t;
15         for (int i = 1; i < n; i++)
16             if (!visited[i] && dist[i] <= min) {
17                 min = dist[i];
18                 t = i;
19             }
20         visited[t] = true;
21         for (auto it = G[t].begin(); it != G[t].end(); ++it)
22             if (!visited[it->n] && dist[it->n] > min + it->w) {
23                 dist[it->n] = min + it->w;
24                 pre[it->n] = t;
25             }
26     }
27
28     vector<int> Dist(n, M);
29     vector<int> Pre(n, 2);
30     vector<bool> Visited(n, false);
31     Dist[2] = 0;
32     Visited[2] = true;
33     for (auto it = G[2].begin(); it != G[2].end(); ++it)
34         Dist[it->n] = it->w;
35     for (int i = 0; i < n - 2; i++) {
36         int min = M;
37         int t;
38         for (int i = 1; i < n; i++)
39             if (!Visited[i] && Dist[i] <= min) {
40                 min = Dist[i];
41                 t = i;
42             }
43         Visited[t] = true;
44         for (auto it = G[t].begin(); it != G[t].end(); ++it)
```

```

45         if (Dist[it->n] > min + it->w) {
46             Dist[it->n] = min + it->w;
47             Pre[it->n] = t;
48         }
49     }
50     int X = dist[2], x = M;
51     for (int i = 0; i < k; i++) {
52         int u, v, w;
53         cin >> u >> v >> w;
54         if (dist[u] != M && Dist[v] != M)
55             x = min(x, dist[u] + Dist[v] + w);
56         if (dist[v] != M && Dist[u] != M)
57             x = min(x, dist[v] + Dist[u] + w);
58     }
59     X = min(x, X);
60     if (X == M)
61         cout << "-1\n";
62     else
63         cout << X << endl;
64 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_8ahfyavp/src:1:9: 错误: 'vector' 不是一个类型名
2 |     1 | typedef vector<vector<edge>>graph;
3 |           ^~~~~~
4 /tmp/compiler_8ahfyavp/src:3:15: 错误: 变量或字段'Dijkstra' 声明为 void
5 |     3 | void Dijkstra(graph G, int k) {
6 |           ^~~~~~
7 /tmp/compiler_8ahfyavp/src:3:15: 错误: 'graph' 在此作用域中尚未声明
8 /tmp/compiler_8ahfyavp/src:3:24: 错误: expected primary-expression before
  'int'
9 |     3 | void Dijkstra(graph G, int k) {
10 |           ^~~
11
```

Submission 139290678

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/12 12:50:30	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 struct edge {
4     int n;
5     int w;
6 };
7 typedef vector<vector<edge>>graph;
8 const int M = 10001;
9 void Dijkstra(graph G, int k) {
10     int n = G.size();
11     vector<int> dist(n, M);
12     vector<int> pre(n, 1);
13     vector<bool> visited(n, false);
14     dist[1] = 0;
15     visited[1] = true;
16     for (auto it = G[1].begin(); it != G[1].end(); ++it)
17         dist[it->n] = it->w;
18     for (int i = 0; i < n - 2; i++) {
19         int min = M;
20         int t;
21         for (int i = 1; i < n; i++)
22             if (!visited[i] && dist[i] <= min) {
23                 min = dist[i];
24                 t = i;
25             }
26         visited[t] = true;
27         for (auto it = G[t].begin(); it != G[t].end(); ++it)
28             if (!visited[it->n] && dist[it->n] > min + it->w) {
29                 dist[it->n] = min + it->w;
30                 pre[it->n] = t;
31             }
32     }
33
34     vector<int> Dist(n, M);
35     vector<int> Pre(n, 2);
36     vector<bool> Visited(n, false);
37     Dist[2] = 0;
38     Visited[2] = true;
39     for (auto it = G[2].begin(); it != G[2].end(); ++it)
40         Dist[it->n] = it->w;
41     for (int i = 0; i < n - 2; i++) {
42         int min = M;
43         int t;
44         for (int i = 1; i < n; i++)
```

```

45         if (!Visited[i] && Dist[i] <= min) {
46             min = Dist[i];
47             t = i;
48         }
49         Visited[t] = true;
50         for (auto it = G[t].begin(); it != G[t].end(); ++it)
51             if (Dist[it->n] > min + it->w) {
52                 Dist[it->n] = min + it->w;
53                 Pre[it->n] = t;
54             }
55     }
56     int X = dist[2], x = M;
57     for (int i = 0; i < k; i++) {
58         int u, v, w, m;
59         cin >> u >> v >> w;
60         m = min(dist[u] + Dist[v] + w, dist[v] + Dist[u] + w);
61         x = min(x, m);
62     }
63     X = min(x, X);
64     if (X >= M)
65         cout << -1 << endl;
66     else
67         cout << X << endl;
68 }
69 int main() {
70     int n, m, k;
71     cin >> n >> m >> k;
72     graph G(n + 3);
73     for (int i = 0; i < m; i++) {
74         int u, v, w;
75         cin >> u >> v >> w;
76         edge e = {v, w};
77         G[u].push_back(e);
78         e.n = u;
79         G[v].push_back(e);
80     }
81     Dijkstra(G, k);
82     return 0;
83 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Time Limit Exceeded](#) :
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"

- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '-1'
- Test 9 - [Time Limit Exceeded](#) :
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Accepted](#) : ok 1 number(s): "-1"
- Test 12 - [Accepted](#) : ok 1 number(s): "6069"
- Test 13 - [Accepted](#) : ok 1 number(s): "8437"
- Test 14 - [Accepted](#) : ok 1 number(s): "988"
- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '-1'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '-1'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '-1'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '-1'
- Test 19 - [Time Limit Exceeded](#) :
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '-1'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '-1'
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '-1'
- Test 24 - [Time Limit Exceeded](#) :

Submission 139290148

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/12 12:44:49	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 struct edge {
4     int n;
5     int w;
6 };
7 typedef vector<vector<edge>>graph;
8 const int M = 10001;
9 void Dijkstra(graph G, int k) {
10     int n = G.size();
11     vector<int> dist(n, M);
12     vector<int> pre(n, 1);
13     vector<bool> visited(n, false);
14     dist[1] = 0;
15     visited[1] = true;
16     for (auto it = G[1].begin(); it != G[1].end(); ++it)
17         dist[it->n] = it->w;
18     for (int i = 0; i < n - 2; i++) {
19         int min = M;
20         int t;
21         for (int i = 1; i < n; i++)
22             if (!visited[i] && dist[i] <= min) {
23                 min = dist[i];
24                 t = i;
25             }
26         visited[t] = true;
27         for (auto it = G[t].begin(); it != G[t].end(); ++it)
28             if (!visited[it->n] && dist[it->n] > min + it->w) {
29                 dist[it->n] = min + it->w;
30                 pre[it->n] = t;
31             }
32     }
33
34     vector<int> Dist(n, M);
35     vector<int> Pre(n, 2);
36     vector<bool> Visited(n, false);
37     Dist[2] = 0;
38     Visited[2] = true;
39     for (auto it = G[2].begin(); it != G[2].end(); ++it)
40         Dist[it->n] = it->w;
41     for (int i = 0; i < n - 2; i++) {
42         int min = M;
43         int t;
44         for (int i = 1; i < n; i++)
```

```

45         if (!Visited[i] && Dist[i] <= min) {
46             min = Dist[i];
47             t = i;
48         }
49         Visited[t] = true;
50         for (auto it = G[t].begin(); it != G[t].end(); ++it)
51             if (Dist[it->n] > min + it->w) {
52                 Dist[it->n] = min + it->w;
53                 Pre[it->n] = t;
54             }
55     }
56     int X = dist[2], x = M;
57     for (int i = 0; i < k; i++) {
58         int u, v, w, m;
59         cin >> u >> v >> w;
60         m = min(dist[u] + Dist[v] + w, dist[v] + Dist[u] + w);
61         x = min(x, m);
62     }
63     X = min(x, X);
64     if (X == M)
65         cout << -1 << endl;
66     else
67         cout << X << endl;
68 }
69 int main() {
70     int n, m, k;
71     cin >> n >> m >> k;
72     graph G(n + 3);
73     for (int i = 0; i < m; i++) {
74         int u, v, w;
75         cin >> u >> v >> w;
76         edge e = {v, w};
77         G[u].push_back(e);
78         e.n = u;
79         G[v].push_back(e);
80     }
81     Dijkstra(G, k);
82     return 0;
83 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Time Limit Exceeded](#) :
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"

- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '-1'
- Test 9 - [Time Limit Exceeded](#) :
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Accepted](#) : ok 1 number(s): "-1"
- Test 12 - [Accepted](#) : ok 1 number(s): "6069"
- Test 13 - [Accepted](#) : ok 1 number(s): "8437"
- Test 14 - [Accepted](#) : ok 1 number(s): "988"
- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '-1'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '-1'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '-1'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '-1'
- Test 19 - [Time Limit Exceeded](#) :
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '-1'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '-1'
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '-1'
- Test 24 - [Time Limit Exceeded](#) :

Submission 139289863

User	Time	Problem	Language	Verdict
Dongguangshuo	2023/12/12 12:41:27	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 struct edge {
4     int n;
5     int w;
6 };
7 typedef vector<vector<edge>>graph;
8 const int M = 10001;
9 void Dijkstra(graph G, int k) {
10     int n = G.size();
11     vector<int> dist(n, M);
12     vector<int> pre(n, 1);
13     vector<bool> visited(n, false);
14     dist[1] = 0;
15     visited[1] = true;
16     for (auto it = G[1].begin(); it != G[1].end(); ++it)
17         dist[it->n] = it->w;
18     for (int i = 0; i < n - 2; i++) {
19         int min = M;
20         int t;
21         for (int i = 1; i < n; i++)
22             if (!visited[i] && dist[i] <= min) {
23                 min = dist[i];
24                 t = i;
25             }
26         visited[t] = true;
27         for (auto it = G[t].begin(); it != G[t].end(); ++it)
28             if (!visited[it->n] && dist[it->n] > min + it->w) {
29                 dist[it->n] = min + it->w;
30                 pre[it->n] = t;
31             }
32     }
33
34     vector<int> Dist(n, M);
35     vector<int> Pre(n, 2);
36     vector<bool> Visited(n, false);
37     Dist[2] = 0;
38     Visited[2] = true;
39     for (auto it = G[2].begin(); it != G[2].end(); ++it)
40         Dist[it->n] = it->w;
41     for (int i = 0; i < n - 2; i++) {
42         int min = M;
43         int t;
44         for (int i = 1; i < n; i++)
```

```

45         if (!Visited[i] && Dist[i] <= min) {
46             min = Dist[i];
47             t = i;
48         }
49         Visited[t] = true;
50         for (auto it = G[t].begin(); it != G[t].end(); ++it)
51             if (Dist[it->n] > min + it->w) {
52                 Dist[it->n] = min + it->w;
53                 Pre[it->n] = t;
54             }
55     }
56     int X = dist[2], x = M;
57     for (int i = 0; i < k; i++) {
58         int u, v, w, m;
59         cin >> u >> v >> w;
60         m = min(dist[u] + Dist[v] + w, dist[v] + Dist[u] + w);
61         x = min(x, m);
62     }
63     X = min(x, X);
64     if (X == M)
65         cout << "-1\n";
66     else
67         cout << X << endl;
68 }
69 int main() {
70     int n, m, k;
71     cin >> n >> m >> k;
72     graph G(n + 3);
73     for (int i = 0; i < m; i++) {
74         int u, v, w;
75         cin >> u >> v >> w;
76         edge e = {v, w};
77         G[u].push_back(e);
78         e.n = u;
79         G[v].push_back(e);
80     }
81     Dijkstra(G, k);
82     return 0;
83 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Time Limit Exceeded](#) :
 - Test 4 - [Time Limit Exceeded](#) :
 - Test 5 - [Time Limit Exceeded](#) :
 - Test 6 - [Time Limit Exceeded](#) :
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"

- Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '-1'
- Test 9 - [Time Limit Exceeded](#) :
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Accepted](#) : ok 1 number(s): "-1"
- Test 12 - [Accepted](#) : ok 1 number(s): "6069"
- Test 13 - [Accepted](#) : ok 1 number(s): "8437"
- Test 14 - [Accepted](#) : ok 1 number(s): "988"
- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '-1'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '-1'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '-1'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '-1'
- Test 19 - [Time Limit Exceeded](#) :
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '-1'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '-1'
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '-1'
- Test 24 - [Time Limit Exceeded](#) :

Submission 138974125

User	Time	Problem	Language	Verdict
L1874493887	2023/12/9 22:06:08	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<cstring>
3 using namespace std;
4 struct Node {
5     int data = 0;
6     int value = 0;
7     Node*next = NULL;
8 };
9 #define INF 0x3f3f3f3f
10 Node v[100005];
11 int dd[100005];
12 int min_path = INF;
13 void connect(int a, int b,int c,int d[])
14 {
15     Node * p = new Node;
16     p->data = b;
17     p->value = c;
18     if (a == 1)
19         d[b] = c;
20     Node * q = new Node;
21     q->data = a;
22     q->value = c;
23     Node * cur = &v[a];
24     while (cur->next != NULL)
25         cur = cur->next;
26     cur->next = p;
27     cur = &v[b];
28     while (cur->next != NULL)
29         cur = cur->next;
30     cur->next = q;
31 }
32 void disconnect(int a, int b)
33 {
34     Node * p = &v[a];
35     while (p->next != NULL)
36     {
37         if (p->next->data == b)
38         {
39             p->next = p->next->next;
40             break;
41         }
42         p = p->next;
43     }
44     p = &v[b];
```

```

45     while (p->next != NULL)
46     {
47         if (p->next->data == a)
48         {
49             p->next = p->next->next;
50             break;
51         }
52         p = p->next;
53     }
54 }
55 void Dijkstra(int n,int d[],bool s[])
56 {
57     int length = INF;
58     for (int i = 1; i <= n+1; i++)
59     {
60         int min = INF;
61         int temp = -1;
62         for (int w = 2; w <= n+2; w++)
63             if (!s[w] && d[w] < min) //某点temp未加入s集，且为当前最短路径
64             {
65                 temp = w;
66                 min = d[w];
67             }
68         if (temp < 0)break;
69         s[temp] = true;
70         //更新从源点出发至其余点的最短路径 通过temp
71         Node * p = &v[temp];
72         while (p->next != NULL)
73         {
74             p = p->next;
75             length = p->value;
76
77             if (!s[p->data] && d[temp] + length < d[p->data])
78             {
79                 d[p->data] = d[temp] + length;
80             }
81         }
82     }
83 }
84
85 bool s[100005] = {0};
86 int main()
87 {
88     int d[100005];
89     memset(d, INF, sizeof(d));
90     memset(dd, INF, sizeof(dd));
91     int n, m, k;
92     cin >> n >> m >> k;
93     for (int i = 0; i < m; i++)
94     {
95         int a, b, c;
96         cin >> a >> b >> c;
97         connect(a, b, c, d);
98     }
99     memcpy(dd, d, (n+3) * sizeof(int));
100    for (int i = 0; i < k; i++)

```

```

101     {
102
103         s[1] = true;
104         d[1] = 0;
105         int a, b,c;
106         cin >> a >> b>>c;
107         memcpy(d, dd, (n + 3) * sizeof(int));
108         connect(a, b, c, d);
109         Dijkstra(n,d,s);
110         if(min_path>d[2])
111             min_path = d[2];
112         disconnect(a, b);
113         memset(d, INF, sizeof(d));
114         memset(s, 0, sizeof(s));
115     }
116     if(min_path!=INF)
117         cout << min_path;
118     else
119     {
120         cout << -1;
121     }
122 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Runtime Error](#) :
 - Test 4 - [Runtime Error](#) :
 - Test 5 - [Runtime Error](#) :
 - Test 6 - [Runtime Error](#) :
 - Test 7 - [Time Limit Exceeded](#) :
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Runtime Error](#) :
 - Test 10 - [Runtime Error](#) :
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Time Limit Exceeded](#) :
 - Test 13 - [Time Limit Exceeded](#) :
 - Test 14 - [Time Limit Exceeded](#) :
 - Test 15 - [Time Limit Exceeded](#) :
 - Test 16 - [Time Limit Exceeded](#) :
 - Test 17 - [Time Limit Exceeded](#) :
 - Test 18 - [Time Limit Exceeded](#) :
 - Test 19 - [Time Limit Exceeded](#) :

- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Runtime Error :

Submission 138957409

User	Time	Problem	Language	Verdict
CodeBreaker	2023/12/9 20:33:52	Mountains in Sumeru	Python 3	Accepted

Code

```
1 import heapq
2
3 def dijkstra(graph, start, end, blue_edges):
4     heap = [(0, start, 0)] # (cost, node, blue_edge_used)
5     visited = set()
6
7     while heap:
8         cost, node, blue_edge_used = heapq.heappop(heap)
9
10        if (node, blue_edge_used) in visited:
11            continue
12
13        visited.add((node, blue_edge_used))
14
15        if node == end:
16            return cost
17
18        for neighbor, weight, is_blue in graph[node]:
19            if is_blue and blue_edge_used == 0:
20                new_cost = cost + weight
21                heapq.heappush(heap, (new_cost, neighbor, 1))
22            elif not is_blue:
23                new_cost = cost + weight
24                heapq.heappush(heap, (new_cost, neighbor, blue_edge_used))
25
26    return -1 # No path found
27
28 def main():
29     n, m, k = map(int, input().split())
30     graph = {i: [] for i in range(1, n+3)}
31
32     for _ in range(m):
33         i, j, w = map(int, input().split())
34         graph[i].append((j, w, False))
35         graph[j].append((i, w, False))
36
37     for _ in range(k):
38         i, j, w = map(int, input().split())
39         graph[i].append((j, w, True))
40         graph[j].append((i, w, True))
41
42     result = dijkstra(graph, 1, 2, k)
43     print(result)
44
45 if __name__ == "__main__":
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"
 - Test 11 - Accepted : ok 1 number(s): "-1"
 - Test 12 - Accepted : ok 1 number(s): "6069"
 - Test 13 - Accepted : ok 1 number(s): "8437"
 - Test 14 - Accepted : ok 1 number(s): "988"
 - Test 15 - Accepted : ok 1 number(s): "15383"
 - Test 16 - Accepted : ok 1 number(s): "29654"
 - Test 17 - Accepted : ok 1 number(s): "69460"
 - Test 18 - Accepted : ok 1 number(s): "33586"
 - Test 19 - Accepted : ok 1 number(s): "-1"
 - Test 20 - Accepted : ok 1 number(s): "11456"
 - Test 21 - Accepted : ok 1 number(s): "20779"
 - Test 22 - Accepted : ok 1 number(s): "-1"
 - Test 23 - Accepted : ok 1 number(s): "11954"
 - Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138829463

User	Time	Problem	Language	Verdict
Linfinite	2023/12/9 12:27:33	Mountains in Sumeru	Python 3	Accepted

Code

```
1 import heapq
2 def shortest_path_with_climb(n, m, k, red_edges, blue_edges):
3     graph = [[] for _ in range(n + 3)]
4     # 添加红色边
5     for i, j, w in red_edges:
6         graph[i].append((j, w, False)) # False 表示非蓝色边
7         graph[j].append((i, w, False))
8     # 添加蓝色边
9     for i, j, w in blue_edges:
10        graph[i].append((j, w, True)) # True 表示蓝色边
11        graph[j].append((i, w, True))
12    # 通过优先队列实现 Dijkstra 算法
13    pq = [(0, 1, False)]
14    dist = {(1, False): 0}
15    while pq:
16        d, node, used_climb = heapq.heappop(pq)
17        if node == 2: # 到达终点
18            return d
19        for next_node, weight, is_blue in graph[node]:
20            next_used_climb = used_climb or is_blue
21            if (next_node, next_used_climb) not in dist or d + weight <
dist[(next_node, next_used_climb)]:
22                if not (is_blue and used_climb):
23                    dist[(next_node, next_used_climb)] = d + weight
24                    heapq.heappush(pq, (d + weight, next_node,
next_used_climb))
25    return -1
26 # 输入数据
27 n, m, k = map(int, input().split())
28 red_edges = [tuple(map(int, input().split())) for _ in range(m)]
29 blue_edges = [tuple(map(int, input().split())) for _ in range(k)]
30 # 打印结果
31 print(shortest_path_with_climb(n, m, k, red_edges, blue_edges))
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"

- Test 5 - Accepted : ok 1 number(s): "113807"
- Test 6 - Accepted : ok 1 number(s): "0"
- Test 7 - Accepted : ok 1 number(s): "656"
- Test 8 - Accepted : ok 1 number(s): "22751"
- Test 9 - Accepted : ok 1 number(s): "90111"
- Test 10 - Accepted : ok 1 number(s): "-1"
- Test 11 - Accepted : ok 1 number(s): "-1"
- Test 12 - Accepted : ok 1 number(s): "6069"
- Test 13 - Accepted : ok 1 number(s): "8437"
- Test 14 - Accepted : ok 1 number(s): "988"
- Test 15 - Accepted : ok 1 number(s): "15383"
- Test 16 - Accepted : ok 1 number(s): "29654"
- Test 17 - Accepted : ok 1 number(s): "69460"
- Test 18 - Accepted : ok 1 number(s): "33586"
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138632191

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/8 00:06:09	Mountains in Sumeru	C++11	Accepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstdlib>
4 #include <cctype>
5 #include <algorithm>
6 #include <cstring>
7 #include <queue>
8
9 using namespace std;
10
11 inline int read() {
12     char ch;
13     while (!isdigit(ch = getchar()))
14         ;
15     int sum = ch - '0';
16     while (isdigit(ch = getchar()))
17         sum = (sum * 10) + (ch - '0');
18     return sum;
19 }
20
21 struct Pair {
22     int num, val;
23
24     inline Pair(int x = 0, int y = 0) : num(x), val(y) { };
25
26     inline bool operator< (const Pair& n) const {
27         return val > n.val;
28     }
29 };
30
31 int n, m, k;
32 int tops, fst[400010], to[800010], nxt[800010], wei[800010];
33 int dis[400010];
34
35 priority_queue<Pair> stk;
36
37 inline void add_edge(int u, int v, int w) {
38     to[tops] = v, nxt[tops] = fst[u], wei[tops] = w, fst[u] = tops++;
39 }
40
41 inline void dijkstra() {
42     stk.push(Pair(1, 0));
43
44     int now;
```

```

45     while (!stk.empty()) {
46         while (!stk.empty() && dis[stk.top().num] != stk.top().val)
47             stk.pop();
48         if (stk.empty())
49             break;
50         now = stk.top().num;
51 //         printf("now %d, dis %d\n", stk.top().num, stk.top().val);
52         stk.pop();
53
54         for (int i = fst[now]; i != -1; i = nxt[i]) {
55             if (dis[to[i]] > dis[now] + wei[i]) {
56                 dis[to[i]] = dis[now] + wei[i];
57                 stk.push(Pair(to[i], dis[to[i]]));
58             }
59         }
60     }
61 }
62
63 int main() {
64     n = read(), m = read(), k = read();
65
66     memset(fst, -1, sizeof(fst));
67
68     int u, v, w;
69     for (int i = 0; i < m; i++) {
70         u = read(), v = read(), w = read();
71         add_edge(u, v, w), add_edge(v, u, w);
72         add_edge(u + n + 2, v + n + 2, w), add_edge(v + n + 2, u + n + 2, w);
73     }
74
75     for (int i = 0; i < k; i++) {
76         u = read(), v = read(), w = read();
77         add_edge(u, v + n + 2, w), add_edge(v, u + n + 2, w);
78     }
79
80     memset(dis, 0x7a, sizeof(dis));
81     dis[1] = 0;
82
83     dijkstra();
84
85 //     printf("%d\n", min(dis[2], dis[4 + n]));
86 //     if (min(dis[2], dis[4 + n]) < 2000000000)
87 //         printf("%d\n", min(dis[2], dis[4 + n]));
88 //     else
89 //         printf("-1\n");
90     return 0;
91 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"

- Test 3 - Accepted : ok 1 number(s): "127333081"
- Test 4 - Accepted : ok 1 number(s): "87448"
- Test 5 - Accepted : ok 1 number(s): "113807"
- Test 6 - Accepted : ok 1 number(s): "0"
- Test 7 - Accepted : ok 1 number(s): "656"
- Test 8 - Accepted : ok 1 number(s): "22751"
- Test 9 - Accepted : ok 1 number(s): "90111"
- Test 10 - Accepted : ok 1 number(s): "-1"
- Test 11 - Accepted : ok 1 number(s): "-1"
- Test 12 - Accepted : ok 1 number(s): "6069"
- Test 13 - Accepted : ok 1 number(s): "8437"
- Test 14 - Accepted : ok 1 number(s): "988"
- Test 15 - Accepted : ok 1 number(s): "15383"
- Test 16 - Accepted : ok 1 number(s): "29654"
- Test 17 - Accepted : ok 1 number(s): "69460"
- Test 18 - Accepted : ok 1 number(s): "33586"
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138632181

User	Time	Problem	Language	Verdict
AnOldSaltedFish	2023/12/8 00:05:55	Mountains in Sumeru	C++11	Unaccepted

Code

```
1 #include <iostream>
2 #include <cstdio>
3 #include <cstdlib>
4 #include <cctype>
5 #include <algorithm>
6 #include <cstring>
7 #include <queue>
8
9 using namespace std;
10
11 inline int read() {
12     char ch;
13     while (!isdigit(ch = getchar()))
14         ;
15     int sum = ch - '0';
16     while (isdigit(ch = getchar()))
17         sum = (sum * 10) + (ch - '0');
18     return sum;
19 }
20
21 struct Pair {
22     int num, val;
23
24     inline Pair(int x = 0, int y = 0) : num(x), val(y) { };
25
26     inline bool operator< (const Pair& n) const {
27         return val > n.val;
28     }
29 };
30
31 int n, m, k;
32 int tops, fst[400010], to[800010], nxt[800010], wei[800010];
33 int dis[400010];
34
35 priority_queue<Pair> stk;
36
37 inline void add_edge(int u, int v, int w) {
38     to[tops] = v, nxt[tops] = fst[u], wei[tops] = w, fst[u] = tops++;
39 }
40
41 inline void dijkstra() {
42     stk.push(Pair(1, 0));
43
44     int now;
```

```

45     while (!stk.empty()) {
46         while (!stk.empty() && dis[stk.top().num] != stk.top().val)
47             stk.pop();
48         if (stk.empty())
49             break;
50         now = stk.top().num;
51         printf("now %d, dis %d\n", stk.top().num, stk.top().val);
52         stk.pop();
53
54         for (int i = fst[now]; i != -1; i = nxt[i]) {
55             if (dis[to[i]] > dis[now] + wei[i]) {
56                 dis[to[i]] = dis[now] + wei[i];
57                 stk.push(Pair(to[i], dis[to[i]]));
58             }
59         }
60     }
61 }
62
63 int main() {
64     n = read(), m = read(), k = read();
65
66     memset(fst, -1, sizeof(fst));
67
68     int u, v, w;
69     for (int i = 0; i < m; i++) {
70         u = read(), v = read(), w = read();
71         add_edge(u, v, w), add_edge(v, u, w);
72         add_edge(u + n + 2, v + n + 2, w), add_edge(v + n + 2, u + n + 2, w);
73     }
74
75     for (int i = 0; i < k; i++) {
76         u = read(), v = read(), w = read();
77         add_edge(u, v + n + 2, w), add_edge(v, u + n + 2, w);
78     }
79
80     memset(dis, 0x7a, sizeof(dis));
81     dis[1] = 0;
82
83     dijkstra();
84
85 //    printf("%d\n", min(dis[2], dis[4 + n]));
86 //    if (min(dis[2], dis[4 + n]) < 2000000000)
87 //        printf("%d\n", min(dis[2], dis[4 + n]));
88 //    else
89 //        printf("-1\n");
90     return 0;
91 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
 - Test 1 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
 - Test 2 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found

- Test 3 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 4 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 5 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 6 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 7 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 8 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 9 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 10 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 11 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 12 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 13 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 14 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 15 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 16 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 17 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 18 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 19 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 20 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 21 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 22 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 23 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found
- Test 24 - [Wrong Answer](#) : wrong output format Expected integer, but "now" found

Submission 138498396

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/6 22:44:42	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 typedef pair<int, int> Pair; // (距离, 节点)
8 typedef vector<vector<Pair>> Graph;
9
10 vector<int> dijkstra(const Graph& graph, int src) {
11     int n = graph.size();
12     priority_queue<Pair, vector<Pair>, greater<Pair>> pq;
13     vector<int> dist(n, INT_MAX);
14     vector<bool> finalized(n, false);
15
16     pq.push(make_pair(0, src));
17     dist[src] = 0;
18
19     while (!pq.empty()) {
20         int u = pq.top().second;
21         pq.pop();
22
23         if (finalized[u]) continue;
24         finalized[u] = true;
25
26         for (auto& p : graph[u]) {
27             int v = p.second;
28             int w = p.first;
29
30             if (!finalized[v] && dist[v] > dist[u] + w) {
31                 dist[v] = dist[u] + w;
32                 pq.push(make_pair(dist[v], v));
33             }
34         }
35     }
36
37     return dist;
38 }
39
40 int main() {
41     ios::sync_with_stdio(false);
42     cin.tie(NULL);
43     cout.tie(NULL);
44
45     int n, m, k;
```

```

46     cin >> n >> m >> k;
47
48     Graph graph((n + 2) * 2);
49     vector<pair<Pair, int>> blueEdges;
50
51     auto add = [&](int u, int v, int w) {
52         graph[u].pb(make_pair(w, v));
53         graph[u + n + 2].pb(make_pair(w, v + n + 2));
54     };
55
56     while (m--) {
57         int i, j, w;
58         cin >> i >> j >> w;
59         add(i - 1, j - 1, w);
60         add(j - 1, i - 1, w);
61     }
62
63     while (k--) {
64         int i, j, w;
65         cin >> i >> j >> w;
66         graph[i - 1].pb(make_pair(w, j - 1 + n + 2));
67         graph[j - 1].pb(make_pair(w, i - 1 + n + 2));
68     }
69
70     vector<int> dist = dijkstra(graph, 0);
71     int shortestDist = min(dist[1], dist[1 + n + 2]);
72
73     if (shortestDist == INT_MAX)
74         cout << "-1\n"; // 无法到达
75     else
76         cout << shortestDist << "\n";
77
78     return 0;
79 }
80

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"

- Test 11 - Accepted : ok 1 number(s): "-1"
- Test 12 - Accepted : ok 1 number(s): "6069"
- Test 13 - Accepted : ok 1 number(s): "8437"
- Test 14 - Accepted : ok 1 number(s): "988"
- Test 15 - Accepted : ok 1 number(s): "15383"
- Test 16 - Accepted : ok 1 number(s): "29654"
- Test 17 - Accepted : ok 1 number(s): "69460"
- Test 18 - Accepted : ok 1 number(s): "33586"
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138498282

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/6 22:43:38	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 typedef pair<int, int> Pair; // (距离, 节点)
8 typedef vector<vector<Pair>> Graph;
9
10 vector<int> dijkstra(const Graph& graph, int src) {
11     int n = graph.size();
12     priority_queue<Pair, vector<Pair>, greater<Pair>> pq;
13     vector<int> dist(n, INT_MAX);
14     vector<bool> finalized(n, false);
15
16     pq.push(make_pair(0, src));
17     dist[src] = 0;
18
19     while (!pq.empty()) {
20         int u = pq.top().second;
21         pq.pop();
22
23         if (finalized[u]) continue;
24         finalized[u] = true;
25
26         for (auto& p : graph[u]) {
27             int v = p.second;
28             int w = p.first;
29
30             if (!finalized[v] && dist[v] > dist[u] + w) {
31                 dist[v] = dist[u] + w;
32                 pq.push(make_pair(dist[v], v));
33             }
34         }
35     }
36
37     return dist;
38 }
39
40 int main() {
41     ios::sync_with_stdio(false);
42     cin.tie(NULL);
43     cout.tie(NULL);
44
45     int n, m, k;
```

```

46     cin >> n >> m >> k;
47
48     Graph graph((n + 2) * 2);
49     vector<pair<Pair, int>> blueEdges;
50
51     auto add = [&](int u, int v, int w) {
52         graph[u].pb(make_pair(w, v));
53         graph[u + n + 2].pb(make_pair(w, v + n + 2));
54     };
55
56     while (m--) {
57         int i, j, w;
58         cin >> i >> j >> w;
59         add(i - 1, j - 1, w);
60         add(j - 1, i - 1, w);
61     }
62
63     while (k--) {
64         int i, j, w;
65         cin >> i >> j >> w;
66         graph[i - 1].pb(make_pair(w, j - 1 + n + 2));
67         graph[j - 1].pb(make_pair(w, i - 1 + n + 2));
68     }
69
70     vector<int> dist = dijkstra(graph, 0);
71     int shortestDist = min(dist[1], dist[1 + n + 2]);
72
73     if (shortestDist == INT_MAX)
74         cout << "-1\n"; // 无法到达
75     else
76         cout << shortestDist << "\n";
77
78     return 0;
79 }
80

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"

- Test 11 - Accepted : ok 1 number(s): "-1"
- Test 12 - Accepted : ok 1 number(s): "6069"
- Test 13 - Accepted : ok 1 number(s): "8437"
- Test 14 - Accepted : ok 1 number(s): "988"
- Test 15 - Accepted : ok 1 number(s): "15383"
- Test 16 - Accepted : ok 1 number(s): "29654"
- Test 17 - Accepted : ok 1 number(s): "69460"
- Test 18 - Accepted : ok 1 number(s): "33586"
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138494247

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/6 22:15:01	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 typedef pair<int, int> Pair; // (距离, 节点)
8 typedef vector<vector<Pair>> Graph;
9
10 vector<int> dijkstra(const Graph& graph, int src) {
11     int n = graph.size();
12     priority_queue<Pair, vector<Pair>, greater<Pair>> pq;
13     vector<int> dist(n, INT_MAX);
14     vector<bool> finalized(n, false);
15
16     pq.push(make_pair(0, src));
17     dist[src] = 0;
18
19     while (!pq.empty()) {
20         int u = pq.top().second;
21         pq.pop();
22
23         if (finalized[u]) continue;
24         finalized[u] = true;
25
26         for (auto& p : graph[u]) {
27             int v = p.second;
28             int w = p.first;
29
30             if (!finalized[v] && dist[v] > dist[u] + w) {
31                 dist[v] = dist[u] + w;
32                 pq.push(make_pair(dist[v], v));
33             }
34         }
35     }
36     return dist;
37 }
38
39 int main() {
40     ios::sync_with_stdio(false);
41     cin.tie(NULL);
42     cout.tie(NULL);
43
44     int n, m, k;
```

```

45     cin >> n >> m >> k;
46
47     Graph graph(n + 2);
48     vector<pair<Pair, int>> blueEdges;
49
50     auto add = [&](int u, int v, int w) { graph[u].pb(make_pair(w, v)); };
51
52     while (m--) {
53         int i, j, w;
54         cin >> i >> j >> w;
55         add(i - 1, j - 1, w);
56         add(j - 1, i - 1, w);
57     }
58     while (k--) {
59         int i, j, w;
60         cin >> i >> j >> w;
61         blueEdges.pb({{i - 1, j - 1}, w});
62     }
63
64     vector<int> distWithoutBlue = dijkstra(graph, 0);
65
66     int res = distWithoutBlue[1];
67
68     for (auto& edge : blueEdges) {
69         add(edge.first.first, edge.first.second, edge.second);
70         add(edge.first.second, edge.first.first, edge.second);
71
72         vector<int> distWithBlue = dijkstra(graph, 0);
73         if (distWithBlue[1] != INT_MAX) {
74             res = min(res, distWithBlue[1]);
75         }
76
77         graph[edge.first.first].pop_back();
78         graph[edge.first.second].pop_back();
79     }
80
81     if (res != INT_MAX) {
82         cout << res << endl;
83     } else {
84         cout << -1 << endl;
85     }
86     return 0;
87 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok 1 number(s): "8"
 - Test 1 - **Accepted** : ok 1 number(s): "-1"
 - Test 2 - **Accepted** : ok 1 number(s): "4"
 - Test 3 - **Accepted** : ok 1 number(s): "127333081"
 - Test 4 - **Time Limit Exceeded** :

- Test 5 - **Time Limit Exceeded** :
- Test 6 - **Time Limit Exceeded** :
- Test 7 - **Time Limit Exceeded** :
- Test 8 - **Accepted** : ok 1 number(s): "22751"
- Test 9 - **Accepted** : ok 1 number(s): "90111"
- Test 10 - **Time Limit Exceeded** :
- Test 11 - **Accepted** : ok 1 number(s): "-1"
- Test 12 - **Time Limit Exceeded** :
- Test 13 - **Time Limit Exceeded** :
- Test 14 - **Time Limit Exceeded** :
- Test 15 - **Time Limit Exceeded** :
- Test 16 - **Time Limit Exceeded** :
- Test 17 - **Time Limit Exceeded** :
- Test 18 - **Time Limit Exceeded** :
- Test 19 - **Accepted** : ok 1 number(s): "-1"
- Test 20 - **Accepted** : ok 1 number(s): "11456"
- Test 21 - **Accepted** : ok 1 number(s): "20779"
- Test 22 - **Accepted** : ok 1 number(s): "-1"
- Test 23 - **Accepted** : ok 1 number(s): "11954"
- Test 24 - **Accepted** : ok 1 number(s): "53008661"

Submission 138371180

User	Time	Problem	Language	Verdict
hanaakari	2023/12/5 22:39:05	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 int n, m, k;
11 const int maxn = 200005;
12 const long long inf = 0xffffffffffff;
13 long long T, headb[maxn], headr[maxn], siz = 0, db[maxn], dr[maxn], s, u, v,
l;
14 bool visb[maxn], visr[maxn];
15 struct node {
16     char c;
17     int num;
18     int d;
19     friend bool operator<(const node& a, const node& b) {
20         if (a.d > b.d) return 1;
21         else return 0;
22     }
23 };
24 struct edge {
25     long long v, w, nxt;
26 }eb[3 * maxn],er[3*maxn];
27 inline void addb(int u, int v, int w) {
28     eb[+siz].v = v;
29     eb[siz].w = w;
30     eb[siz].nxt = headb[u];
31     headb[u] = siz;
32 }
33 inline void addr(int u, int v, int w) {
34     er[+siz].v = v;
35     er[siz].w = w;
36     er[siz].nxt = headr[u];
37     headr[u] = siz;
38 }
39 inline void dijkstra(int s) {
40     priority_queue<node> q;
41     for (int i = 1; i <= n+2; i++) {
42         db[i] = inf;
43         dr[i] = inf;
44         visb[i] = false;
```

```

45         visr[i] = false;
46     }
47     db[s] = 0;
48     dr[s] = 0;
49     node tmp;
50     tmp.c = 'b';
51     tmp.d = 0;
52     tmp.num = s;
53     q.push(tmp);
54     tmp.c = 'r';
55     tmp.d = 0;
56     tmp.num = s;
57     q.push(tmp);
58     while (!q.empty()) {
59         tmp = q.top();
60         q.pop();
61         int u = tmp.num;
62         if ((tmp.c=='b'&&visb[u])||(tmp.c=='r'&&visr[u]))
63             continue;
64         if (tmp.c == 'b') {
65             visb[u] = true;
66             for (int j = headr[u]; j; j = er[j].nxt) {
67                 int v = er[j].v;
68                 if (db[v] >= db[u] + er[j].w) {
69                     db[v] = db[u] + er[j].w;
70                     tmp.c = 'b';
71                     tmp.d = db[v];
72                     tmp.num = v;
73                     q.push(tmp);
74                     //cout << v << endl;
75                 }
76             }
77         }
78     else{
79         visr[u] = true;
80         for (int j = headb[u]; j; j = eb[j].nxt) {
81             int v = eb[j].v;
82             if (db[v] >= dr[u] + eb[j].w) {
83                 db[v] = dr[u] + eb[j].w;
84                 tmp.c = 'b';
85                 tmp.d = db[v];
86                 tmp.num = v;
87                 q.push(tmp);
88                 //cout << v << endl;
89             }
90         }
91         for (int j = headr[u]; j; j = er[j].nxt) {
92             int v = er[j].v;
93             if (dr[v] >= dr[u] + er[j].w) {
94                 dr[v] = dr[u] + er[j].w;
95                 tmp.c = 'r';
96                 tmp.d = dr[v];
97                 tmp.num = v;
98                 q.push(tmp);
99                 //cout << v << endl;
100            }

```

```

101         }
102     }
103 }
104 }
105 int main() {
106     ios::sync_with_stdio(false);
107     cin.tie(0);
108     cin >> n >> m >> k;
109     int tmp1, tmp2, w;
110     for (int i = 0; i < m; i++) {
111         cin >> tmp1 >> tmp2 >> w;
112         addr(tmp1, tmp2, w);
113         addr(tmp2, tmp1, w);
114     }
115     siz = 0;
116     for (int i = 0; i < k; i++) {
117         cin >> tmp1 >> tmp2 >> w;
118         addb(tmp1, tmp2, w);
119         addb(tmp2, tmp1, w);
120     }
121     dijkstra(1);
122     if (dr[2] == inf && db[2] == inf) cout << "-1" << endl;
123     else cout << min(dr[2], db[2]) << endl;
124 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"
 - Test 11 - Accepted : ok 1 number(s): "-1"
 - Test 12 - Accepted : ok 1 number(s): "6069"
 - Test 13 - Accepted : ok 1 number(s): "8437"
 - Test 14 - Accepted : ok 1 number(s): "988"
 - Test 15 - Accepted : ok 1 number(s): "15383"
 - Test 16 - Accepted : ok 1 number(s): "29654"
 - Test 17 - Accepted : ok 1 number(s): "69460"

- Test 18 - Accepted : ok 1 number(s): "33586"
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138370991

User	Time	Problem	Language	Verdict
hanaakari	2023/12/5 22:37:40	Mountains in Sumeru	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 int n, m, k;
11 const int maxn = 200005;
12 const long long inf = 0xffffffffffff;
13 long long T, headb[maxn], headr[maxn], siz = 0, db[maxn], dr[maxn], s, u,
v, l;
14 bool visb[maxn], visr[maxn];
15 struct node {
16     char c;
17     int num;
18     int d;
19     friend bool operator<(const node& a, const node& b) {
20         if (a.d > b.d) return 1;
21         else return 0;
22     }
23 };
24 struct edge {
25     long long v, w, nxt;
26 }eb[3 * maxn], er[3 * maxn];
27 inline void addb(int u, int v, int w) {
28     eb[++siz].v = v;
29     eb[siz].w = w;
30     eb[siz].nxt = headb[u];
31     headb[u] = siz;
32 }
33 inline void addr(int u, int v, int w) {
34     er[++siz].v = v;
35     er[siz].w = w;
36     er[siz].nxt = headr[u];
37     headr[u] = siz;
38 }
39 inline void dijkstra(int s) {
40     priority_queue<node> q;
41     for (int i = 1; i <= n + 2; i++) {
42         db[i] = inf;
43         dr[i] = inf;
```

```

44     visb[i] = false;
45     visr[i] = false;
46 }
47 db[s] = 0;
48 dr[s] = 0;
49 node tmp;
50 tmp.c = 'b';
51 tmp.d = 0;
52 tmp.num = s;
53 q.push(tmp);
54 tmp.c = 'r';
55 tmp.d = 0;
56 tmp.num = s;
57 q.push(tmp);
58 while (!q.empty()) {
59     tmp = q.top();
60     q.pop();
61     int u = tmp.num;
62     if ((tmp.c == 'b' && visb[u]) || (tmp.c == 'r' && visr[u]))
63         continue;
64     if (tmp.c == 'b') {
65         visb[u] = true;
66         for (int j = headr[u]; j; j = er[j].nxt) {
67             int v = er[j].v;
68             if (dr[v] >= db[u] + er[j].w) {
69                 dr[v] = db[u] + er[j].w;
70                 tmp.c = 'b';
71                 tmp.d = dr[v];
72                 tmp.num = v;
73                 q.push(tmp);
74                 //cout << v << endl;
75             }
76         }
77     }
78     else {
79         visr[u] = true;
80         for (int j = headb[u]; j; j = eb[j].nxt) {
81             int v = eb[j].v;
82             if (db[v] >= dr[u] + eb[j].w) {
83                 db[v] = dr[u] + eb[j].w;
84                 tmp.c = 'b';
85                 tmp.d = db[v];
86                 tmp.num = v;
87                 q.push(tmp);
88                 //cout << v << endl;
89             }
90         }
91         for (int j = headr[u]; j; j = er[j].nxt) {
92             int v = er[j].v;
93             if (dr[v] >= dr[u] + er[j].w) {
94                 dr[v] = dr[u] + er[j].w;
95                 tmp.c = 'r';
96                 tmp.d = dr[v];
97                 tmp.num = v;
98                 q.push(tmp);
99                 //cout << v << endl;

```

```
100 }  
101 }  
102 }  
103 }  
104 }
```

Test Detail

- Compile Error

```
1 No valid executable file was produced by the compiler  
2 /nix/store/p58l5qmzifl20qmjs3xfpl01f0mqlza2-binutils-2.40/bin/ld:  
/nix/store/gqghjch4p1s69sv4mcjksb2kb65rwqjy-glibc-2.38-23/lib/crt1.o: in  
function `__start':  
3 (.text+0x1b): undefined reference to `main'  
4 collect2: 错误: ld 返回 1  
5
```

Submission 138370887

User	Time	Problem	Language	Verdict
hanaakari	2023/12/5 22:37:03	Mountains in Sumeru	C++14(GCC 9)	Compile Error

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 int n, m, k;
11 const int maxn = 200005;
12 const int inf = 0x3f3f3f3f;
13 const int mod = 998244353;
14 int n, m, k;
15 const int maxn = 200005;
16 const long long inf = 0xffffffffffff;
17 long long T, headb[maxn], headr[maxn], siz = 0, db[maxn], dr[maxn], s, u,
v, l;
18 bool visb[maxn], visr[maxn];
19 struct node {
20     char c;
21     int num;
22     int d;
23     friend bool operator<(const node& a, const node& b) {
24         if (a.d > b.d) return 1;
25         else return 0;
26     }
27 };
28 struct edge {
29     long long v, w, nxt;
30 }eb[3 * maxn], er[3 * maxn];
31 inline void addb(int u, int v, int w) {
32     eb[++siz].v = v;
33     eb[siz].w = w;
34     eb[siz].nxt = headb[u];
35     headb[u] = siz;
36 }
37 inline void addr(int u, int v, int w) {
38     er[++siz].v = v;
39     er[siz].w = w;
40     er[siz].nxt = headr[u];
41     headr[u] = siz;
42 }
43 inline void dijkstra(int s) {
```

```

44     priority_queue<node> q;
45     for (int i = 1; i <= n + 2; i++) {
46         db[i] = inf;
47         dr[i] = inf;
48         visb[i] = false;
49         visr[i] = false;
50     }
51     db[s] = 0;
52     dr[s] = 0;
53     node tmp;
54     tmp.c = 'b';
55     tmp.d = 0;
56     tmp.num = s;
57     q.push(tmp);
58     tmp.c = 'r';
59     tmp.d = 0;
60     tmp.num = s;
61     q.push(tmp);
62     while (!q.empty()) {
63         tmp = q.top();
64         q.pop();
65         int u = tmp.num;
66         if ((tmp.c == 'b' && visb[u]) || (tmp.c == 'r' && visr[u]))
67             continue;
68         if (tmp.c == 'b') {
69             visb[u] = true;
70             for (int j = headr[u]; j; j = er[j].nxt) {
71                 int v = er[j].v;
72                 if (dr[v] >= db[u] + er[j].w) {
73                     dr[v] = db[u] + er[j].w;
74                     tmp.c = 'b';
75                     tmp.d = dr[v];
76                     tmp.num = v;
77                     q.push(tmp);
78                     //cout << v << endl;
79                 }
80             }
81         }
82     else {
83         visr[u] = true;
84         for (int j = headb[u]; j; j = eb[j].nxt) {
85             int v = eb[j].v;
86             if (db[v] >= dr[u] + eb[j].w) {
87                 db[v] = dr[u] + eb[j].w;
88                 tmp.c = 'b';
89                 tmp.d = db[v];
90                 tmp.num = v;
91                 q.push(tmp);
92                 //cout << v << endl;
93             }
94         }
95         for (int j = headr[u]; j; j = er[j].nxt) {
96             int v = er[j].v;
97             if (dr[v] >= dr[u] + er[j].w) {
98                 dr[v] = dr[u] + er[j].w;
99                 tmp.c = 'r';

```

```

100                     tmp.d = dr[v];
101                     tmp.num = v;
102                     q.push(tmp);
103                     //cout << v << endl;
104                 }
105             }
106         }
107     }
108 }
109 int main() {
110     ios::sync_with_stdio(false);
111     cin.tie(0);
112     cin >> n >> m >> k;
113     int tmp1, tmp2, w;
114     for (int i = 0; i < m; i++) {
115         cin >> tmp1 >> tmp2 >> w;
116         addr(tmp1, tmp2, w);
117         addr(tmp2, tmp1, w);
118     }
119     siz = 0;
120     for (int i = 0; i < k; i++) {
121         cin >> tmp1 >> tmp2 >> w;
122         addb(tmp1, tmp2, w);
123         addb(tmp2, tmp1, w);
124     }
125     dijkstra(1);
126     if (dr[2] == inf && db[2] == inf) cout << "-1" << endl;
127     else cout << min(dr[2], db[2]) << endl;
128 }
```

Test Detail

- Compile Error

```

1 /tmp/compiler_wit36ize/src:14:5: 错误: 'int n' 重定义
2     14 | int n, m, k;
3     |      ^
4 /tmp/compiler_wit36ize/src:10:5: 附注: 'int n' previously declared here
5     10 | int n, m, k;
6     |      ^
7 /tmp/compiler_wit36ize/src:14:8: 错误: 'int m' 重定义
8     14 | int n, m, k;
9     |      ^
10 /tmp/compiler_wit36ize/src:10:8: 附注: 'int m' previously declared here
11     10 | int n, m, k;
12     |      ^
13 /tmp/compiler_wit36ize/src:14:11: 错误: 'int k' 重定义
14     14 | int n, m, k;
15     |      ^
16 /tmp/compiler_wit36ize/src:10:11: 附注: 'int k' previously declared here
17     10 | int n, m, k;
18     |      ^
19 /tmp/compiler_wit36ize/src:15:11: 错误: 'const int maxn' 重定义
20     15 | const int maxn = 200005;
21     |      ^~~~
```

```
22 /tmp/compiler_wit36ize/src:11:11: 附注: 'const int maxn' previously defined  
here  
23     11 | const int maxn = 200005;  
24         |           ^~~~  
25 /tmp/compiler_wit36ize/src:16:17: 错误: conflicting declaration 'const long  
long int inf'  
26     16 | const long long inf = 0xffffffffffff;  
27         |           ^~~~  
28 /tmp/compiler_wit36ize/src:12:11: 附注: previous declaration as 'const int  
inf'  
29     12 | const int inf = 0x3f3f3f3f;  
30         |           ^~~~  
31
```

Submission 138363772

User	Time	Problem	Language	Verdict
hanaakari	2023/12/5 21:53:19	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 int n, m, k;
11 const int maxn = 200005;
12 const long long inf = 0xffffffffffff;
13 long long T, headb[maxn], headr[maxn], siz = 0, db[maxn], dr[maxn], s, u, v,
l;
14 bool visb[maxn], visr[maxn];
15 struct node {
16     char c;
17     int num;
18     int d;
19     friend bool operator<(const node& a, const node& b) {
20         if (a.d > b.d) return 1;
21         else return 0;
22     }
23 };
24 struct edge {
25     long long v, w, nxt;
26 }eb[3 * maxn],er[3*maxn];
27 inline void addb(int u, int v, int w) {
28     eb[++siz].v = v;
29     eb[siz].w = w;
30     eb[siz].nxt = headb[u];
31     headb[u] = siz;
32 }
33 inline void addr(int u, int v, int w) {
34     er[++siz].v = v;
35     er[siz].w = w;
36     er[siz].nxt = headr[u];
37     headr[u] = siz;
38 }
39 inline void dijkstra(int s) {
40     priority_queue<node> q;
41     for (int i = 1; i <= n+2; i++) {
42         db[i] = inf;
43         dr[i] = inf;
```

```

44         visb[i] = false;
45         visr[i] = false;
46     }
47     db[s] = 0;
48     dr[s] = 0;
49     node tmp;
50     tmp.c = 'b';
51     tmp.d = 0;
52     tmp.num = s;
53     q.push(tmp);
54     tmp.c = 'r';
55     tmp.d = 0;
56     tmp.num = s;
57     q.push(tmp);
58     while (!q.empty()) {
59         tmp = q.top();
60         q.pop();
61         int u = tmp.num;
62         if ((tmp.c=='b'&&visb[u])||(tmp.c=='r'&&visr[u]))
63             continue;
64         if (tmp.c == 'b') {
65             visb[u] = true;
66             for (int j = headr[u]; j; j = er[j].nxt) {
67                 int v = er[j].v;
68                 if (dr[v] >= db[u] + er[j].w) {
69                     dr[v] = db[u] + er[j].w;
70                     tmp.c = 'r';
71                     tmp.d = dr[v];
72                     tmp.num = v;
73                     q.push(tmp);
74                     //cout << v << endl;
75                 }
76             }
77         }
78     else{
79         visr[u] = true;
80         for (int j = headb[u]; j; j = eb[j].nxt) {
81             int v = eb[j].v;
82             if (db[v] >= dr[u] + eb[j].w) {
83                 db[v] = dr[u] + eb[j].w;
84                 tmp.c = 'b';
85                 tmp.d = db[v];
86                 tmp.num = v;
87                 q.push(tmp);
88                 //cout << v << endl;
89             }
90         }
91         for (int j = headr[u]; j; j = er[j].nxt) {
92             int v = er[j].v;
93             if (dr[v] >= dr[u] + er[j].w) {
94                 dr[v] = dr[u] + er[j].w;
95                 tmp.c = 'r';
96                 tmp.d = dr[v];
97                 tmp.num = v;
98                 q.push(tmp);
99                 //cout << v << endl;

```

```

100         }
101     }
102 }
103 }
104 }
105 int main() {
106     ios::sync_with_stdio(false);
107     cin.tie(0);
108     cin >> n >> m >> k;
109     int tmp1, tmp2, w;
110     for (int i = 0; i < m; i++) {
111         cin >> tmp1 >> tmp2 >> w;
112         addr(tmp1, tmp2, w);
113         addr(tmp2, tmp1, w);
114     }
115     siz = 0;
116     for (int i = 0; i < k; i++) {
117         cin >> tmp1 >> tmp2 >> w;
118         addb(tmp1, tmp2, w);
119         addb(tmp2, tmp1, w);
120     }
121     dijkstra(1);
122     if (dr[2] == inf&&db[2]==inf)cout << "-1" << endl;
123     else cout << min(dr[2],db[2]) << endl;
124 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '84730'
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '656', found: '478'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '17735'
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8437', found: '5042'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '775'

- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '13011'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '16255'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '51995'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '11638'
- Test 19 - [Accepted](#) : ok 1 number(s): "-1"
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '6950'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '18034'
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '10363'
- Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 138358388

User	Time	Problem	Language	Verdict
hanaakari	2023/12/5 21:27:12	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 int n, m, k;
11 const int maxn = 200005;
12 const long long inf = 0xffffffffffff;
13 long long T, headb[maxn], headr[maxn], siz = 0, db[maxn], dr[maxn], s, u, v,
l;
14 bool visb[maxn], visr[maxn];
15 struct node {
16     char c;
17     int num;
18     int d;
19     friend bool operator<(const node& a, const node& b) {
20         if (a.d > b.d) return 1;
21         else return 0;
22     }
23 };
24 struct edge {
25     long long v, w, nxt;
26 }eb[3 * maxn],er[3*maxn];
27 inline void addb(int u, int v, int w) {
28     eb[++siz].v = v;
29     eb[siz].w = w;
30     eb[siz].nxt = headb[u];
31     headb[u] = siz;
32 }
33 inline void addr(int u, int v, int w) {
34     er[++siz].v = v;
35     er[siz].w = w;
36     er[siz].nxt = headr[u];
37     headr[u] = siz;
38 }
39 inline void dijkstra(int s) {
40     priority_queue<node> q;
41     for (int i = 1; i <= n+2; i++) {
42         db[i] = inf;
43         dr[i] = inf;
```

```

44         visb[i] = false;
45         visr[i] = false;
46     }
47     db[s] = 0;
48     dr[s] = 0;
49     node tmp;
50     tmp.c = 'b';
51     tmp.d = 0;
52     tmp.num = s;
53     q.push(tmp);
54     tmp.c = 'r';
55     tmp.d = 0;
56     tmp.num = s;
57     q.push(tmp);
58     while (!q.empty()) {
59         tmp = q.top();
60         q.pop();
61         int u = tmp.num;
62         if ((tmp.c=='b'&&visb[u])||(tmp.c=='r'&&visr[u]))
63             continue;
64         if (tmp.c == 'b') {
65             visb[u] = true;
66             for (int j = headr[u]; j; j = er[j].nxt) {
67                 int v = er[j].v;
68                 if (dr[v] > db[u] + er[j].w) {
69                     dr[v] = db[u] + er[j].w;
70                     tmp.c = 'r';
71                     tmp.d = dr[v];
72                     tmp.num = v;
73                     q.push(tmp);
74                     //cout << v << endl;
75                 }
76             }
77         }
78     else{
79         visr[u] = true;
80         for (int j = headb[u]; j; j = eb[j].nxt) {
81             int v = eb[j].v;
82             if (db[v] > dr[u] + eb[j].w) {
83                 db[v] = dr[u] + eb[j].w;
84                 tmp.c = 'b';
85                 tmp.d = db[v];
86                 tmp.num = v;
87                 q.push(tmp);
88                 //cout << v << endl;
89             }
90         }
91         for (int j = headr[u]; j; j = er[j].nxt) {
92             int v = er[j].v;
93             if (dr[v] > dr[u] + er[j].w) {
94                 dr[v] = dr[u] + er[j].w;
95                 tmp.c = 'r';
96                 tmp.d = dr[v];
97                 tmp.num = v;
98                 q.push(tmp);
99                 //cout << v << endl;

```

```

100         }
101     }
102 }
103 }
104 }
105 int main() {
106     ios::sync_with_stdio(false);
107     cin.tie(0);
108     cin >> n >> m >> k;
109     int tmp1, tmp2, w;
110     for (int i = 0; i < m; i++) {
111         cin >> tmp1 >> tmp2 >> w;
112         addr(tmp1, tmp2, w);
113         addr(tmp2, tmp1, w);
114     }
115     siz = 0;
116     for (int i = 0; i < k; i++) {
117         cin >> tmp1 >> tmp2 >> w;
118         addb(tmp1, tmp2, w);
119         addb(tmp2, tmp1, w);
120     }
121     dijkstra(1);
122     if (dr[2] == inf&&db[2]==inf)cout << "-1" << endl;
123     else cout << min(dr[2],db[2]) << endl;
124 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '84730'
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '656', found: '478'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '17735'
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8437', found: '5042'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '775'

- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '13011'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '16255'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '51995'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '11638'
- Test 19 - [Accepted](#) : ok 1 number(s): "-1"
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '6950'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '18034'
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '10363'
- Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 138358106

User	Time	Problem	Language	Verdict
hanaakari	2023/12/5 21:26:00	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 int n, m, k;
11 const int maxn = 200005;
12 const long long inf = 0xffffffffffff;
13 long long T, headb[maxn], headr[maxn], siz = 0, db[maxn], dr[maxn], s, u, v,
l;
14 bool visb[maxn], visr[maxn];
15 struct node {
16     char c;
17     int num;
18     int d;
19     friend bool operator<(const node& a, const node& b) {
20         if (a.d > b.d) return 1;
21         else return 0;
22     }
23 };
24 struct edge {
25     int v, w, nxt;
26 }eb[3 * maxn],er[3*maxn];
27 inline void addb(int u, int v, int w) {
28     eb[+siz].v = v;
29     eb[siz].w = w;
30     eb[siz].nxt = headb[u];
31     headb[u] = siz;
32 }
33 inline void addr(int u, int v, int w) {
34     er[+siz].v = v;
35     er[siz].w = w;
36     er[siz].nxt = headr[u];
37     headr[u] = siz;
38 }
39 inline void dijkstra(int s) {
40     priority_queue<node> q;
41     for (int i = 1; i <= n+2; i++) {
42         db[i] = inf;
43         dr[i] = inf;
```

```

44         visb[i] = false;
45         visr[i] = false;
46     }
47     db[s] = 0;
48     dr[s] = 0;
49     node tmp;
50     tmp.c = 'b';
51     tmp.d = 0;
52     tmp.num = s;
53     q.push(tmp);
54     tmp.c = 'r';
55     tmp.d = 0;
56     tmp.num = s;
57     q.push(tmp);
58     while (!q.empty()) {
59         tmp = q.top();
60         q.pop();
61         int u = tmp.num;
62         if ((tmp.c=='b'&&visb[u])||(tmp.c=='r'&&visr[u]))
63             continue;
64         if (tmp.c == 'b') {
65             visb[u] = true;
66             for (int j = headr[u]; j; j = er[j].nxt) {
67                 int v = er[j].v;
68                 if (dr[v] > db[u] + er[j].w) {
69                     dr[v] = db[u] + er[j].w;
70                     tmp.c = 'r';
71                     tmp.d = dr[v];
72                     tmp.num = v;
73                     q.push(tmp);
74                     //cout << v << endl;
75                 }
76             }
77         }
78     else{
79         visr[u] = true;
80         for (int j = headb[u]; j; j = eb[j].nxt) {
81             int v = eb[j].v;
82             if (db[v] > dr[u] + eb[j].w) {
83                 db[v] = dr[u] + eb[j].w;
84                 tmp.c = 'b';
85                 tmp.d = db[v];
86                 tmp.num = v;
87                 q.push(tmp);
88                 //cout << v << endl;
89             }
90         }
91         for (int j = headr[u]; j; j = er[j].nxt) {
92             int v = er[j].v;
93             if (dr[v] > dr[u] + er[j].w) {
94                 dr[v] = dr[u] + er[j].w;
95                 tmp.c = 'r';
96                 tmp.d = dr[v];
97                 tmp.num = v;
98                 q.push(tmp);
99                 //cout << v << endl;

```

```

100         }
101     }
102   }
103 }
104
105 int main() {
106     ios::sync_with_stdio(false);
107     cin.tie(0);
108     cin >> n >> m >> k;
109     int tmp1, tmp2, w;
110     for (int i = 0; i < m; i++) {
111         cin >> tmp1 >> tmp2 >> w;
112         addr(tmp1, tmp2, w);
113         addr(tmp2, tmp1, w);
114     }
115     siz = 0;
116     for (int i = 0; i < k; i++) {
117         cin >> tmp1 >> tmp2 >> w;
118         addb(tmp1, tmp2, w);
119         addb(tmp2, tmp1, w);
120     }
121     dijkstra(1);
122     if (dr[2] == inf&&db[2]==inf)cout << "-1" << endl;
123     else cout << min(dr[2],db[2]) << endl;
124 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '84730'
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '656', found: '478'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '17735'
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8437', found: '5042'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '775'

- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '13011'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '16255'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '51995'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '11638'
- Test 19 - [Accepted](#) : ok 1 number(s): "-1"
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '6950'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '18034'
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '10363'
- Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 138357285

User	Time	Problem	Language	Verdict
hanaakari	2023/12/5 21:22:25	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<queue>
3 #include<cmath>
4 #include<vector>
5 #include<queue>
6 #include<cstring>
7 #include<algorithm>
8 #include<set>
9 using namespace std;
10 int n, m, k;
11 const int maxn = 200005;
12 const int inf = 0xffffffff;
13 long long T, headb[maxn], headr[maxn], siz = 0, db[maxn], dr[maxn], s, u, v,
l;
14 bool visb[maxn], visr[maxn];
15 struct node {
16     char c;
17     int num;
18     int d;
19     friend bool operator<(const node& a, const node& b) {
20         if (a.d > b.d) return 1;
21         else return 0;
22     }
23 };
24 struct edge {
25     int v, w, nxt;
26 }eb[3 * maxn], er[3*maxn];
27 inline void addb(int u, int v, int w) {
28     eb[+siz].v = v;
29     eb[siz].w = w;
30     eb[siz].nxt = headb[u];
31     headb[u] = siz;
32 }
33 inline void addr(int u, int v, int w) {
34     er[+siz].v = v;
35     er[siz].w = w;
36     er[siz].nxt = headr[u];
37     headr[u] = siz;
38 }
39 inline void dijkstra(int s) {
40     priority_queue<node> q;
41     for (int i = 1; i <= n+2; i++) {
42         db[i] = inf;
43         dr[i] = inf;
```

```

44         visb[i] = false;
45         visr[i] = false;
46     }
47     db[s] = 0;
48     dr[s] = 0;
49     node tmp;
50     tmp.c = 'b';
51     tmp.d = 0;
52     tmp.num = s;
53     q.push(tmp);
54     tmp.c = 'r';
55     tmp.d = 0;
56     tmp.num = s;
57     q.push(tmp);
58     while (!q.empty()) {
59         tmp = q.top();
60         q.pop();
61         int u = tmp.num;
62         if ((tmp.c=='b'&&visb[u])||(tmp.c=='r'&&visr[u]))
63             continue;
64         if (tmp.c == 'b') {
65             visb[u] = true;
66             for (int j = headr[u]; j; j = er[j].nxt) {
67                 int v = er[j].v;
68                 if (dr[v] > db[u] + er[j].w) {
69                     dr[v] = db[u] + er[j].w;
70                     tmp.c = 'r';
71                     tmp.d = dr[v];
72                     tmp.num = v;
73                     q.push(tmp);
74                     //cout << v << endl;
75                 }
76             }
77         }
78     else{
79         visr[u] = true;
80         for (int j = headb[u]; j; j = eb[j].nxt) {
81             int v = eb[j].v;
82             if (db[v] > dr[u] + eb[j].w) {
83                 db[v] = dr[u] + eb[j].w;
84                 tmp.c = 'b';
85                 tmp.d = db[v];
86                 tmp.num = v;
87                 q.push(tmp);
88                 //cout << v << endl;
89             }
90         }
91         for (int j = headr[u]; j; j = er[j].nxt) {
92             int v = er[j].v;
93             if (dr[v] > dr[u] + er[j].w) {
94                 dr[v] = dr[u] + er[j].w;
95                 tmp.c = 'r';
96                 tmp.d = dr[v];
97                 tmp.num = v;
98                 q.push(tmp);
99                 //cout << v << endl;

```

```

100         }
101     }
102   }
103 }
104
105 int main() {
106     ios::sync_with_stdio(false);
107     cin.tie(0);
108     cin >> n >> m >> k;
109     int tmp1, tmp2, w;
110     for (int i = 0; i < m; i++) {
111         cin >> tmp1 >> tmp2 >> w;
112         addr(tmp1, tmp2, w);
113         addr(tmp2, tmp1, w);
114     }
115     siz = 0;
116     for (int i = 0; i < k; i++) {
117         cin >> tmp1 >> tmp2 >> w;
118         addb(tmp1, tmp2, w);
119         addb(tmp2, tmp1, w);
120     }
121     dijkstra(1);
122     if (dr[2] == inf&&db[2]==inf)cout << "-1" << endl;
123     else cout << min(dr[2],db[2]) << endl;
124 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '84730'
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '656', found: '478'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '17735'
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8437', found: '5042'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '775'

- Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '13011'
- Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '16255'
- Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '51995'
- Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '11638'
- Test 19 - [Accepted](#) : ok 1 number(s): "-1"
- Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '6950'
- Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '18034'
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '10363'
- Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 138261369

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/5 10:26:07	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<queue>
4 using namespace std;
5 int n, m, k, u, v, w;
6 const int inf = 2e9 + 7;
7
8 struct Node{
9     vector<int> bl_to;
10    vector<int> bl_to_dis;
11    vector<int> re_to;
12    vector<int> re_to_dis;
13 }node[200005];
14
15 struct Q_item{
16     int id;
17     int dis; //没用过蓝边的
18     int dis1; //用过蓝边的
19 };
20
21 bool operator<(Q_item a, Q_item b){
22     int dis_a = min(a.dis, a.dis1);
23     int dis_b = min(b.dis, b.dis1);
24     return dis_a > dis_b;
25 }
26
27 priority_queue<Q_item, vector<Q_item>, less<Q_item> > q;
28
29 int dis[200005];
30 int dis1[200005];
31 int vis[200005];
32
33 void init(){
34     while(!q.empty()) q.pop();
35     for(int i = 0;i <= n + 2;i++){
36         dis[i] = inf;
37         dis1[i] = inf;
38         vis[i] = 0;
39     }
40     dis[2] = 0;
41     dis1[2] = 0;
42     Q_item item;
43     item.id = 2;
44     item.dis = 0;
45     item.dis1 = 0;
```

```

46     q.push(item);
47 }
48
49 void init1(){
50     while(!q.empty()) q.pop();
51     for(int i = 0;i <= n + 2;i++){
52         //dis[i] = inf;
53         vis[i] = 0;
54     }
55     Q_item item;
56     for(int i = 1;i <= n + 2;i++){
57         item.id = i;
58         item.dis = dis[i];
59         q.push(item);
60     }
61 }
62
63 void solve(){
64     init();
65     while(!q.empty()){
66         int min_id = q.top().id;
67         int min_dis = dis[min_id];
68         int min_dis1 = dis1[min_id];
69         if(vis[min_id] == 1){
70             q.pop();
71             continue;
72         }
73         Q_item new_item;
74         for(int i = 0;i < node[min_id].re_to.size();i++){
75             if(min_dis + node[min_id].re_to_dis[i] <
76 dis[node[min_id].re_to[i]]){
77                 dis[node[min_id].re_to[i]] = min_dis +
78 node[min_id].re_to_dis[i];
79                 new_item.id = node[min_id].re_to[i];
80                 new_item.dis = dis[node[min_id].re_to[i]];
81                 new_item.dis1 = dis1[node[min_id].re_to[i]];
82                 q.push(new_item);
83             }
84             if(min_dis1 + node[min_id].re_to_dis[i] <
85 dis1[node[min_id].re_to[i]]){
86                 dis1[node[min_id].re_to[i]] = min_dis1 +
87 node[min_id].re_to_dis[i];
88                 new_item.id = node[min_id].re_to[i];
89                 new_item.dis = dis[node[min_id].re_to[i]];
90                 new_item.dis1 = dis1[node[min_id].re_to[i]];
91                 q.push(new_item);
92             }
93         }
94         for(int i = 0;i < node[min_id].bl_to.size();i++){
95             if(min_dis + node[min_id].bl_to_dis[i] <
96 dis1[node[min_id].bl_to[i]]){
97                 dis1[node[min_id].bl_to[i]] = min_dis +
98 node[min_id].bl_to_dis[i];
99                 new_item.id = node[min_id].bl_to[i];
100                new_item.dis = dis[node[min_id].bl_to[i]];
101                new_item.dis1 = dis1[node[min_id].bl_to[i]];
102            }
103        }
104    }
105 }
```

```

96             q.push(new_item);
97         }
98     }
99     vis[min_id] = 1;
100    q.pop();
101}
/*init1();
103 bool flag = true;
104 while(!q.empty()){
105     int min_id = q.top().id;
106     int min_dis = dis[min_id];
107     if(vis[min_id] == 1){
108         q.pop();
109         continue;
110     }
111     for(int i = 0;i < node[min_id].re_to.size();i++){
112         if(min_dis + node[min_id].re_to_dis[i] <
dis[node[min_id].re_to[i]]){
113             dis[node[min_id].re_to[i]] = min_dis +
node[min_id].re_to_dis[i];
114             Q_item new_item;
115             new_item.id = node[min_id].re_to[i];
116             new_item.dis = dis[node[min_id].re_to[i]];
117             q.push(new_item);
118         }
119     }
120     if(flag){
121         for(int i = 0;i < node[min_id].bl_to.size();i++){
122             if(min_dis + node[min_id].bl_to_dis[i] <
dis[node[min_id].bl_to[i]]){
123                 dis[node[min_id].bl_to[i]] = min_dis +
node[min_id].bl_to_dis[i];
124                 Q_item new_item;
125                 new_item.id = node[min_id].bl_to[i];
126                 new_item.dis = dis[node[min_id].bl_to[i]];
127                 q.push(new_item);
128                 flag = false;
129             }
130         }
131     }
132     vis[min_id] = 1;
133     q.pop();
134 */
135     int ans = min(dis[1], dis1[1]);
136     if(ans == inf){
137         cout << -1 << endl;
138         return;
139     }
140     cout << ans << endl;
141 }
142
143 int main(){
144     cin >> n >> m >> k;
145     for(int i = 0;i < m;i++){
146         scanf("%d %d %d", &u, &v, &w);
147         node[u].re_to.push_back(v);

```

```

148         node[u].re_to_dis.push_back(w);
149         node[v].re_to.push_back(u);
150         node[v].re_to_dis.push_back(w);
151     }
152     for(int i = 0;i < k;i++){
153         scanf("%d %d %d", &u, &v, &w);
154         node[u].bl_to.push_back(v);
155         node[u].bl_to_dis.push_back(w);
156         node[v].bl_to.push_back(u);
157         node[v].bl_to_dis.push_back(w);
158     }
159     solve();
160     return 0;
161 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"
 - Test 11 - Accepted : ok 1 number(s): "-1"
 - Test 12 - Accepted : ok 1 number(s): "6069"
 - Test 13 - Accepted : ok 1 number(s): "8437"
 - Test 14 - Accepted : ok 1 number(s): "988"
 - Test 15 - Accepted : ok 1 number(s): "15383"
 - Test 16 - Accepted : ok 1 number(s): "29654"
 - Test 17 - Accepted : ok 1 number(s): "69460"
 - Test 18 - Accepted : ok 1 number(s): "33586"
 - Test 19 - Accepted : ok 1 number(s): "-1"
 - Test 20 - Accepted : ok 1 number(s): "11456"
 - Test 21 - Accepted : ok 1 number(s): "20779"
 - Test 22 - Accepted : ok 1 number(s): "-1"
 - Test 23 - Accepted : ok 1 number(s): "11954"
 - Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138257744

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/5 09:21:19	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<queue>
4 using namespace std;
5 int n, m, k, u, v, w;
6 const int inf = 2e9 + 7;
7
8 struct Node{
9     vector<int> bl_to;
10    vector<int> bl_to_dis;
11    vector<int> re_to;
12    vector<int> re_to_dis;
13 }node[200005];
14
15 struct Q_item{
16     int id;
17     int dis;
18 };
19
20 bool operator<(Q_item a, Q_item b){
21     return a.dis > b.dis;
22 }
23
24 priority_queue<Q_item, vector<Q_item>, less<Q_item> > q;
25
26 int dis[200005];
27 int vis[200005];
28
29 void init(){
30     while(!q.empty()) q.pop();
31     for(int i = 0;i <= n + 2;i++){
32         dis[i] = inf;
33         vis[i] = 0;
34     }
35     dis[2] = 0;
36     Q_item item;
37     item.id = 2;
38     item.dis = 0;
39     q.push(item);
40 }
41
42 void init1(){
43     while(!q.empty()) q.pop();
44     for(int i = 0;i <= n + 2;i++){
45         //dis[i] = inf;
```

```

46         vis[i] = 0;
47     }
48     Q_item item;
49     for(int i = 1;i <= n + 2;i++){
50         item.id = i;
51         item.dis = dis[i];
52         q.push(item);
53     }
54 }
55
56 void solve(){
57     init();
58     /*while(!q.empty()){
59         int min_id = q.top().id;
60         int min_dis = dis[min_id];
61         if(vis[min_id] == 1){
62             q.pop();
63             continue;
64         }
65         for(int i = 0;i < node[min_id].re_to.size();i++){
66             if(min_dis + node[min_id].re_to_dis[i] <
dis[node[min_id].re_to[i]]){
67                 dis[node[min_id].re_to[i]] = min_dis +
node[min_id].re_to_dis[i];
68                 Q_item new_item;
69                 new_item.id = node[min_id].re_to[i];
70                 new_item.dis = dis[node[min_id].re_to[i]];
71                 q.push(new_item);
72             }
73         }
74         vis[min_id] = 1;
75         q.pop();
76     }
77     init1();*/
78     bool flag = true;
79     while(!q.empty()){
80         int min_id = q.top().id;
81         int min_dis = dis[min_id];
82         if(vis[min_id] == 1){
83             q.pop();
84             continue;
85         }
86         for(int i = 0;i < node[min_id].re_to.size();i++){
87             if(min_dis + node[min_id].re_to_dis[i] <
dis[node[min_id].re_to[i]]){
88                 dis[node[min_id].re_to[i]] = min_dis +
node[min_id].re_to_dis[i];
89                 Q_item new_item;
90                 new_item.id = node[min_id].re_to[i];
91                 new_item.dis = dis[node[min_id].re_to[i]];
92                 q.push(new_item);
93             }
94         }
95         if(flag){
96             for(int i = 0;i < node[min_id].bl_to.size();i++){

```

```

97             if(min_dis + node[min_id].bl_to_dis[i] <
98                 dis[node[min_id].bl_to[i]]){
99                 dis[node[min_id].bl_to[i]] = min_dis +
100                node[min_id].bl_to_dis[i];
101                Q_item new_item;
102                new_item.id = node[min_id].bl_to[i];
103                new_item.dis = dis[node[min_id].bl_to[i]];
104                q.push(new_item);
105                flag = false;
106            }
107        vis[min_id] = 1;
108        q.pop();
109    }
110    if(dis[1] == inf){
111        cout << -1 << endl;
112        return;
113    }
114    cout << dis[1] << endl;
115}
116
117 int main(){
118     cin >> n >> m >> k;
119     for(int i = 0;i < m;i++){
120         scanf("%d %d %d", &u, &v, &w);
121         node[u].re_to.push_back(v);
122         node[u].re_to_dis.push_back(w);
123         node[v].re_to.push_back(u);
124         node[v].re_to_dis.push_back(w);
125     }
126     for(int i = 0;i < k;i++){
127         scanf("%d %d %d", &u, &v, &w);
128         node[u].bl_to.push_back(v);
129         node[u].bl_to_dis.push_back(w);
130         node[v].bl_to.push_back(u);
131         node[v].bl_to_dis.push_back(w);
132     }
133     solve();
134     return 0;
135 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '156987'
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"

- Test 6 - Accepted : ok 1 number(s): "0"
- Test 7 - Wrong Answer : wrong answer 1st numbers differ - expected: '656', found: '1024'
- Test 8 - Wrong Answer : wrong answer 1st numbers differ - expected: '22751', found: '24746'
- Test 9 - Accepted : ok 1 number(s): "90111"
- Test 10 - Accepted : ok 1 number(s): "-1"
- Test 11 - Accepted : ok 1 number(s): "-1"
- Test 12 - Wrong Answer : wrong answer 1st numbers differ - expected: '6069', found: '13533'
- Test 13 - Wrong Answer : wrong answer 1st numbers differ - expected: '8437', found: '12584'
- Test 14 - Accepted : ok 1 number(s): "988"
- Test 15 - Wrong Answer : wrong answer 1st numbers differ - expected: '15383', found: '16622'
- Test 16 - Wrong Answer : wrong answer 1st numbers differ - expected: '29654', found: '33295'
- Test 17 - Accepted : ok 1 number(s): "69460"
- Test 18 - Accepted : ok 1 number(s): "33586"
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Wrong Answer : wrong answer 1st numbers differ - expected: '11456', found: '17491'
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Wrong Answer : wrong answer 1st numbers differ - expected: '11954', found: '14656'
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138257498

User	Time	Problem	Language	Verdict
mbkmbk	2023/12/5 09:17:42	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<iostream>
2 #include<vector>
3 #include<queue>
4 using namespace std;
5 int n, m, k, u, v, w;
6 const int inf = 2e9 + 7;
7
8 struct Node{
9     vector<int> bl_to;
10    vector<int> bl_to_dis;
11    vector<int> re_to;
12    vector<int> re_to_dis;
13 }node[200005];
14
15 struct Q_item{
16     int id;
17     int dis;
18 };
19
20 bool operator<(Q_item a, Q_item b){
21     return a.dis > b.dis;
22 }
23
24 priority_queue<Q_item, vector<Q_item>, less<Q_item> > q;
25
26 int dis[200005];
27 int vis[200005];
28
29 void init(){
30     while(!q.empty()) q.pop();
31     for(int i = 0;i <= n + 2;i++){
32         dis[i] = inf;
33         vis[i] = 0;
34     }
35     dis[2] = 0;
36     Q_item item;
37     item.id = 2;
38     item.dis = 0;
39     q.push(item);
40 }
41
42 void init1(){
43     while(!q.empty()) q.pop();
44     for(int i = 0;i <= n + 2;i++){
45         //dis[i] = inf;
```

```

46         vis[i] = 0;
47     }
48     Q_item item;
49     for(int i = 1;i <= n + 2;i++){
50         item.id = i;
51         item.dis = dis[i];
52         q.push(item);
53     }
54 }
55
56 void solve(){
57     init();
58     while(!q.empty()){
59         int min_id = q.top().id;
60         int min_dis = dis[min_id];
61         if(vis[min_id] == 1){
62             q.pop();
63             continue;
64         }
65         for(int i = 0;i < node[min_id].re_to.size();i++){
66             if(min_dis + node[min_id].re_to_dis[i] <
dis[node[min_id].re_to[i]]){
67                 dis[node[min_id].re_to[i]] = min_dis +
node[min_id].re_to_dis[i];
68                 Q_item new_item;
69                 new_item.id = node[min_id].re_to[i];
70                 new_item.dis = dis[node[min_id].re_to[i]];
71                 q.push(new_item);
72             }
73         }
74         vis[min_id] = 1;
75         q.pop();
76     }
77     init1();
78     bool flag = true;
79     while(!q.empty()){
80         int min_id = q.top().id;
81         int min_dis = dis[min_id];
82         if(vis[min_id] == 1){
83             q.pop();
84             continue;
85         }
86         for(int i = 0;i < node[min_id].re_to.size();i++){
87             if(min_dis + node[min_id].re_to_dis[i] <
dis[node[min_id].re_to[i]]){
88                 dis[node[min_id].re_to[i]] = min_dis +
node[min_id].re_to_dis[i];
89                 Q_item new_item;
90                 new_item.id = node[min_id].re_to[i];
91                 new_item.dis = dis[node[min_id].re_to[i]];
92                 q.push(new_item);
93             }
94         }
95         if(flag){
96             for(int i = 0;i < node[min_id].bl_to.size();i++){

```

```

97             if(min_dis + node[min_id].bl_to_dis[i] <
98                 dis[node[min_id].bl_to[i]]){
99                 dis[node[min_id].bl_to[i]] = min_dis +
100                node[min_id].bl_to_dis[i];
101                Q_item new_item;
102                new_item.id = node[min_id].bl_to[i];
103                new_item.dis = dis[node[min_id].bl_to[i]];
104                q.push(new_item);
105                flag = false;
106            }
107        vis[min_id] = 1;
108        q.pop();
109    }
110    if(dis[1] == inf){
111        cout << -1 << endl;
112        return;
113    }
114    cout << dis[1] << endl;
115}
116
117 int main(){
118     cin >> n >> m >> k;
119     for(int i = 0;i < m;i++){
120         scanf("%d %d %d", &u, &v, &w);
121         node[u].re_to.push_back(v);
122         node[u].re_to_dis.push_back(w);
123         node[v].re_to.push_back(u);
124         node[v].re_to_dis.push_back(w);
125     }
126     for(int i = 0;i < k;i++){
127         scanf("%d %d %d", &u, &v, &w);
128         node[u].bl_to.push_back(v);
129         node[u].bl_to_dis.push_back(w);
130         node[v].bl_to.push_back(u);
131         node[v].bl_to_dis.push_back(w);
132     }
133     solve();
134     return 0;
135 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '156987'
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"

- ↳ Test 6 - Accepted : ok 1 number(s): "0"
- ↳ Test 7 - Wrong Answer : wrong answer 1st numbers differ - expected: '656', found: '1024'
- ↳ Test 8 - Wrong Answer : wrong answer 1st numbers differ - expected: '22751', found: '24746'
- ↳ Test 9 - Accepted : ok 1 number(s): "90111"
- ↳ Test 10 - Accepted : ok 1 number(s): "-1"
- ↳ Test 11 - Accepted : ok 1 number(s): "-1"
- ↳ Test 12 - Wrong Answer : wrong answer 1st numbers differ - expected: '6069', found: '13533'
- ↳ Test 13 - Wrong Answer : wrong answer 1st numbers differ - expected: '8437', found: '12584'
- ↳ Test 14 - Accepted : ok 1 number(s): "988"
- ↳ Test 15 - Wrong Answer : wrong answer 1st numbers differ - expected: '15383', found: '16622'
- ↳ Test 16 - Wrong Answer : wrong answer 1st numbers differ - expected: '29654', found: '33295'
- ↳ Test 17 - Accepted : ok 1 number(s): "69460"
- ↳ Test 18 - Accepted : ok 1 number(s): "33586"
- ↳ Test 19 - Accepted : ok 1 number(s): "-1"
- ↳ Test 20 - Wrong Answer : wrong answer 1st numbers differ - expected: '11456', found: '17491'
- ↳ Test 21 - Accepted : ok 1 number(s): "20779"
- ↳ Test 22 - Accepted : ok 1 number(s): "-1"
- ↳ Test 23 - Wrong Answer : wrong answer 1st numbers differ - expected: '11954', found: '14656'
- ↳ Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138252265

User	Time	Problem	Language	Verdict
YLXS	2023/12/5 01:33:09	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int N = 2e5 + 100;
6 int n, m, k, h[N], vis[N], dis[N];
7 struct str{
8     int to, d, ne;
9     bool c;
10 }e[N << 1];
11 struct que{
12     int x, d;
13     bool c;
14     friend bool operator<(que q1,que q2){
15         return q1.d > q2.d;
16     }
17 }s,f;
18 priority_queue <que> q;
19 priority_queue <que> qb;
20 int main(){
21     ios::sync_with_stdio(false);
22     cin.tie(0);
23     cout.tie(0);
24     cin >> n >> m >> k;
25     n += 2;
26     for(int i = 1; i <= m; i++){
27         int u, v, w, ii = i << 1;
28         cin >> u >> v >> w;
29         e[ii - 1].to = v;
30         e[ii].d = e[ii - 1].d = w;
31         e[ii - 1].ne = h[u];
32         h[u] = ii - 1;
33         e[ii].to = u;
34         e[ii].ne = h[v];
35         h[v] = ii;
36         e[ii].c = e[ii - 1].c = 1;
37         // cout << u << " " << v << " " << ii << endl;
38     }
39     for(int i = 1; i <= k; i++){
40         int u, v, w, ii = (m << 1) + (i << 1);
41         cin >> u >> v >> w;
42         e[ii - 1].to = v;
43         e[ii].d = e[ii - 1].d = w;
44         e[ii - 1].ne = h[u];
45         h[u] = ii - 1;
```

```

46         e[ii].to = u;
47         e[ii].ne = h[v];
48         h[v] = ii;
49         e[ii].c = e[ii - 1].c = 0;
50         // cout << u << " " << v << " " << ii << endl;
51     }
52     for(int i = 1; i <= n; i++) dis[i] = 2147483647;
53     s.d = 0, s.x = 1, s.c = 1;
54     q.push(s);
55     while(!q.empty()){
56         s = q.top();
57         q.pop();
58         // cout << s.x << " " << s.d << " " << s.c << "\n";
59         if(!s.c){
60             qb.push(s);
61             continue;
62         }
63         if(vis[s.x]) continue;
64         vis[s.x] = 1;
65         dis[s.x] = s.d;
66         for(int k = h[s.x]; k; k = e[k].ne){
67             // cout << "x = " << s.x << " k = " << k << " " << e[k].to <<
endl;
68             if(vis[e[k].to]) continue;
69             f.x = e[k].to;
70             f.d = e[k].d + s.d;
71             f.c = e[k].c;
72             q.push(f);
73         }
74     }
75     // for(int i = 1; i <= n; i++) cout << dis[i] << " ";
76     // cout << endl;
77     while(!qb.empty()){
78         s = qb.top();
79         qb.pop();
80         // cout << s.x << " " << s.d << " " << dis[s.x] << "\n";
81         if(s.d >= dis[s.x]) continue;
82         dis[s.x] = s.d;
83         for(int k = h[s.x]; k; k = e[k].ne){
84             if(!e[k].c) continue;
85             f.d = e[k].d + s.d;
86             f.x = e[k].to;
87             // cout << " " << e[k].to << " " << f.d << endl;
88             if(f.d >= dis[f.x]) continue;
89             qb.push(f);
90         }
91     }
92     // for(int i = 1; i <= n; i++) cout << dis[i] << " ";
93     if(dis[2] != 2147483647)cout << dis[2];
94     else cout << "-1";
95 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"
 - Test 11 - Accepted : ok 1 number(s): "-1"
 - Test 12 - Accepted : ok 1 number(s): "6069"
 - Test 13 - Accepted : ok 1 number(s): "8437"
 - Test 14 - Accepted : ok 1 number(s): "988"
 - Test 15 - Accepted : ok 1 number(s): "15383"
 - Test 16 - Accepted : ok 1 number(s): "29654"
 - Test 17 - Accepted : ok 1 number(s): "69460"
 - Test 18 - Accepted : ok 1 number(s): "33586"
 - Test 19 - Accepted : ok 1 number(s): "-1"
 - Test 20 - Accepted : ok 1 number(s): "11456"
 - Test 21 - Accepted : ok 1 number(s): "20779"
 - Test 22 - Accepted : ok 1 number(s): "-1"
 - Test 23 - Accepted : ok 1 number(s): "11954"
 - Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138252237

User	Time	Problem	Language	Verdict
YLXS	2023/12/5 01:29:31	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int N = 2e5 + 100;
6 int n, m, k, h[N], vis[N];
7 LL dis[N];
8 struct str{
9     int to, d, ne;
10    bool c;
11 }e[N << 1];
12 struct que{
13     int x;
14     LL d;
15     bool c;
16     friend bool operator<(que q1,que q2){
17         return q1.d > q2.d;
18     }
19 }s,f;
20 priority_queue <que> q;
21 priority_queue <que> qb;
22 int main(){
23     ios::sync_with_stdio(false);
24     cin.tie(0);
25     cout.tie(0);
26     cin >> n >> m >> k;
27     n += 2;
28     for(int i = 1; i <= m; i++){
29         int u, v, w, ii = i << 1;
30         cin >> u >> v >> w;
31         e[ii - 1].to = v;
32         e[ii].d = e[ii - 1].d = w;
33         e[ii - 1].ne = h[u];
34         h[u] = ii - 1;
35         e[ii].to = u;
36         e[ii].ne = h[v];
37         h[v] = ii;
38         e[ii].c = e[ii - 1].c = 1;
39         // cout << u << " " << v << " " << ii << endl;
40     }
41     for(int i = 1; i <= k; i++){
42         int u, v, w, ii = (m << 1) + (i << 1);
43         cin >> u >> v >> w;
44         e[ii - 1].to = v;
45         e[ii].d = e[ii - 1].d = w;
```

```

46         e[ii - 1].ne = h[u];
47         h[u] = ii - 1;
48         e[ii].to = u;
49         e[ii].ne = h[v];
50         h[v] = ii;
51         e[ii].c = e[ii - 1].c = 0;
52         // cout << u << " " << v << " " << ii << endl;
53     }
54     for(int i = 1; i <= n; i++) dis[i] = 1e18;
55     s.d = 0, s.x = 1, s.c = 1;
56     q.push(s);
57     while(!q.empty()){
58         s = q.top();
59         q.pop();
60         if(vis[s.x]) continue;
61         // cout << s.x << " " << s.d << " " << s.c << "\n";
62         if(!s.c){
63             qb.push(s);
64             continue;
65         }
66         vis[s.x] = 1;
67         dis[s.x] = s.d;
68         for(int k = h[s.x]; k; k = e[k].ne){
69             // cout << "x = " << s.x << " k = " << k << " " << e[k].to <<
endl;
70             if(vis[e[k].to]) continue;
71             f.x = e[k].to;
72             f.d = e[k].d + s.d;
73             f.c = e[k].c;
74             q.push(f);
75         }
76     }
77     // for(int i = 1; i <= n; i++) cout << dis[i] << " ";
78     // cout << endl;
79     while(!qb.empty()){
80         s = qb.top();
81         qb.pop();
82         // cout << s.x << " " << s.d << " " << dis[s.x] << "\n";
83         // if(s.d >= dis[s.x]) continue;
84         dis[s.x] = s.d;
85         for(int k = h[s.x]; k; k = e[k].ne){
86             if(!e[k].c) continue;
87             f.d = e[k].d + s.d;
88             f.x = e[k].to;
89             // cout << " " << e[k].to << " " << f.d << endl;
90             if(f.d >= dis[f.x]) continue;
91             qb.push(f);
92         }
93     }
94     // for(int i = 1; i <= n; i++) cout << dis[i] << " ";
95     if(dis[2] != 1e18)cout << dis[2];
96     else cout << "-1";
97 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '24746'
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '6069', found: '13767'
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Accepted](#) : ok 1 number(s): "988"
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '16259'
 - Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '35883'
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '47459'
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '18005'
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '13968'
 - Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 138252221

User	Time	Problem	Language	Verdict
YLXS	2023/12/5 01:26:50	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include<bits/stdc++.h>
2 #define pb push_back
3 using LL = long long;
4 using namespace std;
5 const int N = 2e5 + 100;
6 int n, m, k, h[N], vis[N], dis[N];
7 struct str{
8     int to, d, ne;
9     bool c;
10 }e[N << 1];
11 struct que{
12     int x, d, c;
13     friend bool operator<(que q1,que q2){
14         return q1.d > q2.d;
15     }
16 }s,f;
17 priority_queue <que> q;
18 priority_queue <que> qb;
19 int main(){
20     ios::sync_with_stdio(false);
21     cin.tie(0);
22     cout.tie(0);
23     cin >> n >> m >> k;
24     n += 2;
25     for(int i = 1; i <= m; i++){
26         int u, v, w, ii = i << 1;
27         cin >> u >> v >> w;
28         e[ii - 1].to = v;
29         e[ii].d = e[ii - 1].d = w;
30         e[ii - 1].ne = h[u];
31         h[u] = ii - 1;
32         e[ii].to = u;
33         e[ii].ne = h[v];
34         h[v] = ii;
35         e[ii].c = e[ii - 1].c = 1;
36         // cout << u << " " << v << " " << ii << endl;
37     }
38     for(int i = 1; i <= k; i++){
39         int u, v, w, ii = (m << 1) + (i << 1);
40         cin >> u >> v >> w;
41         e[ii - 1].to = v;
42         e[ii].d = e[ii - 1].d = w;
43         e[ii - 1].ne = h[u];
44         h[u] = ii - 1;
45         e[ii].to = u;
```

```

46         e[ii].ne = h[v];
47         h[v] = ii;
48         e[ii].c = e[ii - 1].c = 0;
49         // cout << u << " " << v << " " << ii << endl;
50     }
51     for(int i = 1; i <= n; i++) dis[i] = 2147483647;
52     s.d = 0, s.x = 1, s.c = 1;
53     q.push(s);
54     while(!q.empty()){
55         s = q.top();
56         q.pop();
57         if(vis[s.x]) continue;
58         // cout << s.x << " " << s.d << " " << s.c << "\n";
59         if(!s.c){
60             qb.push(s);
61             continue;
62         }
63         vis[s.x] = 1;
64         dis[s.x] = s.d;
65         for(int k = h[s.x]; k; k = e[k].ne){
66             // cout << "x = " << s.x << " k = " << k << " " << e[k].to <<
endl;
67             if(vis[e[k].to]) continue;
68             f.x = e[k].to;
69             f.d = e[k].d + s.d;
70             f.c = e[k].c;
71             q.push(f);
72         }
73     }
74     // for(int i = 1; i <= n; i++) cout << dis[i] << " ";
75     // cout << endl;
76     while(!qb.empty()){
77         s = qb.top();
78         qb.pop();
79         // cout << s.x << " " << s.d << " " << dis[s.x] << "\n";
80         // if(s.d >= dis[s.x]) continue;
81         dis[s.x] = s.d;
82         for(int k = h[s.x]; k; k = e[k].ne){
83             if(!e[k].c) continue;
84             f.d = e[k].d + s.d;
85             f.x = e[k].to;
86             // cout << " " << e[k].to << " " << f.d << endl;
87             if(f.d >= dis[f.x]) continue;
88             qb.push(f);
89         }
90     }
91     // for(int i = 1; i <= n; i++) cout << dis[i] << " ";
92     if(dis[2] != 2147483647)cout << dis[2];
93     else cout << "-1";
94 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Accepted](#) : ok 1 number(s): "127333081"
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '24746'
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '6069', found: '13767'
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Accepted](#) : ok 1 number(s): "988"
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '16259'
 - Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '35883'
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '47459'
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '18005'
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '13968'
 - Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 138228531

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 21:22:12	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     unsigned long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x3f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    dis[1]=0;
12 //    q.push(make_pair(0,n+1));
13 //    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        if(vis[x])continue;vis[x]=1;
17        for(auto e: edge[x]){
18            int y=e.first;long long w=e.second;
19            if(dis[y]>dis[x]+w){
20                dis[y]=dis[x]+w;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;n+=2;
28 //    for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
29    for(int i=1;i<=m;i++){
30        int u,v;long long w;cin>>u>>v>>w;
31        edge[u].push_back(make_pair(v,w));
32        edge[v].push_back(make_pair(u,w));
33        edge[u+n].push_back({v+n,w});
34        edge[v+n].push_back({u+n,w});
35    }
36    for(int i=1;i<=k;i++){
37        int u,v;long long w;cin>>u>>v>>w;
38        edge[u].push_back({v+n,w});
39        edge[v].push_back({u+n,w});
40    }
41    Dij();
42    if(vis[2]||vis[n+2]){
43        cout<<min(dis[2],dis[2+n])<<'\n';
44    }else cout<<-1<<'\n';
45 }
```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"
 - Test 11 - Accepted : ok 1 number(s): "-1"
 - Test 12 - Accepted : ok 1 number(s): "6069"
 - Test 13 - Accepted : ok 1 number(s): "8437"
 - Test 14 - Accepted : ok 1 number(s): "988"
 - Test 15 - Accepted : ok 1 number(s): "15383"
 - Test 16 - Accepted : ok 1 number(s): "29654"
 - Test 17 - Accepted : ok 1 number(s): "69460"
 - Test 18 - Accepted : ok 1 number(s): "33586"
 - Test 19 - Accepted : ok 1 number(s): "-1"
 - Test 20 - Accepted : ok 1 number(s): "11456"
 - Test 21 - Accepted : ok 1 number(s): "20779"
 - Test 22 - Accepted : ok 1 number(s): "-1"
 - Test 23 - Accepted : ok 1 number(s): "11954"
 - Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138228398

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 21:21:45	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     unsigned long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x3f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12 //    q.push(make_pair(0,n+1));
13 //    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        if(vis[x])continue;vis[x]=1;
17        for(auto e: edge[x]){
18            int y=e.first;long long w=e.second;
19            if(dis[y]>dis[x]+w){
20                dis[y]=dis[x]+w;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;n+=2;
28 //    for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
29    for(int i=1;i<=m;i++){
30        int u,v;long long w;cin>>u>>v>>w;
31        edge[u].push_back(make_pair(v,w));
32        edge[v].push_back(make_pair(u,w));
33        edge[u+n].push_back({v+n,w});
34        edge[v+n].push_back({u+n,w});
35    }
36    for(int i=1;i<=k;i++){
37        int u,v;long long w;cin>>u>>v>>w;
38        edge[u].push_back({v+n,w});
39        edge[v].push_back({u+n,w});
40    }
41    Dij();
42    if(vis[2]||vis[n+2]){
43        cout<<min(dis[2],dis[2+n])<<'\n';
44    }else cout<<-1<<'\n';
45 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8', found: '-1'
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '4', found: '-1'
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '-1'
 - Test 4 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '87448', found: '-1'
 - Test 5 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '113807', found: '-1'
 - Test 6 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '0', found: '-1'
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '656', found: '-1'
 - Test 8 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '22751', found: '-1'
 - Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '90111', found: '-1'
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '6069', found: '-1'
 - Test 13 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8437', found: '-1'
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '-1'
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '-1'
 - Test 16 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '29654', found: '-1'
 - Test 17 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '69460', found: '-1'
 - Test 18 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '33586', found: '-1'
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11456', found: '-1'
 - Test 21 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '20779', found: '-1'
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '11954', found: '-1'
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '-1'

Submission 138200704

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 19:34:50	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 typedef pair<int, int> Pair; // (距离, 节点)
8 typedef vector<vector<Pair>> Graph;
9
10 vector<int> dijkstra(const Graph& graph, int src) {
11     int n = graph.size();
12     priority_queue<Pair, vector<Pair>, greater<Pair>> pq;
13     vector<int> dist(n, INT_MAX);
14     vector<bool> finalized(n, false);
15
16     pq.push(make_pair(0, src));
17     dist[src] = 0;
18
19     while (!pq.empty()) {
20         int u = pq.top().second;
21         pq.pop();
22
23         if (finalized[u]) continue;
24         finalized[u] = true;
25
26         for (auto& p : graph[u]) {
27             int v = p.second;
28             int w = p.first;
29
30             if (!finalized[v] && dist[v] > dist[u] + w) {
31                 dist[v] = dist[u] + w;
32                 pq.push(make_pair(dist[v], v));
33             }
34         }
35     }
36     return dist;
37 }
38
39 int main() {
40     ios::sync_with_stdio(false);
41     cin.tie(NULL);
42     cout.tie(NULL);
43
44     int n, m, k;
```

```

45     cin >> n >> m >> k;
46
47     Graph graph(n + 2);
48     vector<pair<Pair, int>> blueEdges;
49
50     auto add = [&](int u, int v, int w) { graph[u].pb(make_pair(w, v)); };
51
52     while (m--) {
53         int i, j, w;
54         cin >> i >> j >> w;
55         i--, j--;
56         add(i, j, w);
57         add(j, i, w);
58     }
59     while (k--) {
60         int i, j, w;
61         cin >> i >> j >> w;
62         i--, j--;
63         blueEdges.pb({{i, j}, w});
64     }
65
66     vector<int> distWithoutBlue = dijkstra(graph, 0);
67
68     int res = distWithoutBlue[1];
69
70     for (auto& edge : blueEdges) {
71         add(edge.first.first, edge.first.second, edge.second);
72         add(edge.first.second, edge.first.first, edge.second);
73
74         vector<int> distWithBlue = dijkstra(graph, 0);
75         if (distWithBlue[1] != INT_MAX) {
76             res = min(res, distWithBlue[1]);
77         }
78
79         graph[edge.first.first].pop_back();
80         graph[edge.first.second].pop_back();
81     }
82
83     if (res != INT_MAX) {
84         cout << res << endl;
85     } else {
86         cout << -1 << endl;
87     }
88     return 0;
89 }
```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"

- Test 4 - Time Limit Exceeded :
- Test 5 - Time Limit Exceeded :
- Test 6 - Time Limit Exceeded :
- Test 7 - Time Limit Exceeded :
- Test 8 - Accepted : ok 1 number(s): "22751"
- Test 9 - Accepted : ok 1 number(s): "90111"
- Test 10 - Time Limit Exceeded :
- Test 11 - Accepted : ok 1 number(s): "-1"
- Test 12 - Time Limit Exceeded :
- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Time Limit Exceeded :
- Test 17 - Time Limit Exceeded :
- Test 18 - Time Limit Exceeded :
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138196580

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 19:15:19	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 typedef pair<int, int> Pair; // (距离, 节点)
8 typedef vector<vector<Pair>> Graph;
9
10 vector<int> dijkstra(const Graph& graph, int src) {
11     int n = graph.size();
12     priority_queue<Pair, vector<Pair>, greater<Pair>> pq;
13     vector<int> dist(n, INT_MAX);
14     vector<bool> finalized(n, false);
15
16     pq.push(make_pair(0, src));
17     dist[src] = 0;
18
19     while (!pq.empty()) {
20         int u = pq.top().second;
21         pq.pop();
22
23         if (finalized[u]) continue;
24         finalized[u] = true;
25
26         for (auto& p : graph[u]) {
27             int v = p.second;
28             int w = p.first;
29
30             if (!finalized[v] && dist[v] > dist[u] + w) {
31                 dist[v] = dist[u] + w;
32                 pq.push(make_pair(dist[v], v));
33             }
34         }
35     }
36     return dist;
37 }
38
39 int main() {
40     ios::sync_with_stdio(false);
41     cin.tie(NULL);
42     cout.tie(NULL);
43
44     int n, m, k;
```

```

45     cin >> n >> m >> k;
46
47     Graph graph(n + 2);
48     vector<pair<Pair, int>> blueEdges;
49
50     auto add = [&](int u, int v, int w) { graph[u].pb(make_pair(w, v)); };
51
52     while (m--) {
53         int i, j, w;
54         cin >> i >> j >> w;
55         i--, j--;
56         add(i, j, w);
57         add(j, i, w);
58     }
59     while (k--) {
60         int i, j, w;
61         cin >> i >> j >> w;
62         i--, j--;
63         blueEdges.pb({{i, j}, w});
64     }
65
66     vector<int> distWithoutBlue = dijkstra(graph, 0);
67
68     int res = distWithoutBlue[1];
69
70     for (auto& edge : blueEdges) {
71         add(edge.first.first, edge.first.second, edge.second);
72         add(edge.first.second, edge.first.first, edge.second);
73
74         vector<int> distWithBlue = dijkstra(graph, 0);
75         if (distWithBlue[1] != INT_MAX) {
76             res = min(res, distWithBlue[1]);
77         }
78
79         graph[edge.first.first].pop_back();
80         graph[edge.first.second].pop_back();
81     }
82
83     if (res != INT_MAX) {
84         cout << res << endl;
85     } else {
86         cout << -1 << endl;
87     }
88     return 0;
89 }
90

```

Test Detail

- Subtask 0 - Unaccepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"

- Test 3 - Accepted : ok 1 number(s): "127333081"
- Test 4 - Time Limit Exceeded :
- Test 5 - Time Limit Exceeded :
- Test 6 - Time Limit Exceeded :
- Test 7 - Time Limit Exceeded :
- Test 8 - Accepted : ok 1 number(s): "22751"
- Test 9 - Accepted : ok 1 number(s): "90111"
- Test 10 - Time Limit Exceeded :
- Test 11 - Accepted : ok 1 number(s): "-1"
- Test 12 - Time Limit Exceeded :
- Test 13 - Time Limit Exceeded :
- Test 14 - Time Limit Exceeded :
- Test 15 - Time Limit Exceeded :
- Test 16 - Time Limit Exceeded :
- Test 17 - Time Limit Exceeded :
- Test 18 - Time Limit Exceeded :
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138195226

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 19:08:35	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 typedef pair<int, int> Pair; // (距离, 节点)
8 typedef vector<vector<Pair>> Graph;
9
10 int dijkstra(const Graph& graph, int src) {
11     int n = graph.size();
12     priority_queue<Pair, vector<Pair>, greater<Pair>> pq;
13     vector<int> dist(n, INT_MAX);
14
15     pq.push(make_pair(0, src));
16     dist[src] = 0;
17
18     while (!pq.empty()) {
19         int u = pq.top().second;
20         pq.pop();
21
22         for (auto& p : graph[u]) {
23             int v = p.second;
24             int w = p.first;
25
26             if (dist[v] > dist[u] + w) {
27                 dist[v] = dist[u] + w;
28                 pq.push(make_pair(dist[v], v));
29             }
30         }
31     }
32
33     if (dist[1] == INT_MAX) {
34         return INT_MAX;
35     }
36     return dist[1];
37 }
38
39 int main() {
40     ios::sync_with_stdio(false);
41     cin.tie(NULL);
42     cout.tie(NULL);
43
44     int n, m, k;
```

```

45     cin >> n >> m >> k;
46
47     Graph graph(n + 2);
48     vector<pair<Pair, int>> blueEdges;
49
50     auto add = [&](int u, int v, int w) { graph[u].pb(make_pair(w, v)); };
51
52     while (m--) {
53         int i, j, w;
54         cin >> i >> j >> w;
55         i--, j--;
56         add(i, j, w);
57         add(j, i, w);
58     }
59     while (k--) {
60         int i, j, w;
61         cin >> i >> j >> w;
62         i--, j--;
63         blueEdges.pb({{i, j}, w});
64     }
65
66     int res = INT_MAX;
67     for (auto& edge : blueEdges) {
68         add(edge.first.first, edge.first.second, edge.second);
69         add(edge.first.second, edge.first.first, edge.second);
70
71         int cur = dijkstra(graph, 0);
72         if (cur != INT_MAX) {
73             res = min(cur, res);
74         }
75
76         graph[edge.first.first].pop_back();
77         graph[edge.first.second].pop_back();
78     }
79
80     if (res != INT_MAX) {
81         cout << res << endl;
82         return 0;
83     }
84
85     cout << -1 << endl;
86     return 0;
87 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '-1'
 - Test 4 - [Time Limit Exceeded](#) :

- Test 5 - [Time Limit Exceeded](#) :
- Test 6 - [Time Limit Exceeded](#) :
- Test 7 - [Time Limit Exceeded](#) :
- Test 8 - [Accepted](#) : ok 1 number(s): "22751"
- Test 9 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '90111', found: '-1'
- Test 10 - [Time Limit Exceeded](#) :
- Test 11 - [Accepted](#) : ok 1 number(s): "-1"
- Test 12 - [Time Limit Exceeded](#) :
- Test 13 - [Time Limit Exceeded](#) :
- Test 14 - [Time Limit Exceeded](#) :
- Test 15 - [Time Limit Exceeded](#) :
- Test 16 - [Time Limit Exceeded](#) :
- Test 17 - [Time Limit Exceeded](#) :
- Test 18 - [Time Limit Exceeded](#) :
- Test 19 - [Accepted](#) : ok 1 number(s): "-1"
- Test 20 - [Accepted](#) : ok 1 number(s): "11456"
- Test 21 - [Accepted](#) : ok 1 number(s): "20779"
- Test 22 - [Accepted](#) : ok 1 number(s): "-1"
- Test 23 - [Accepted](#) : ok 1 number(s): "11954"
- Test 24 - [Accepted](#) : ok 1 number(s): "53008661"

Submission 138193791

User	Time	Problem	Language	Verdict
CharlesZZY	2023/12/4 19:00:45	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 #define ll long long
3 #define pb push_back
4 #define mod int(1e9 + 7)
5 using namespace std;
6
7 typedef pair<int, int> Pair; // (距离, 节点)
8 typedef vector<vector<Pair>> Graph;
9
10 int dijkstra(const Graph& graph, int src) {
11     int n = graph.size();
12     priority_queue<Pair, vector<Pair>, greater<Pair>> pq;
13     vector<int> dist(n, INT_MAX);
14
15     pq.push(make_pair(0, src));
16     dist[src] = 0;
17
18     while (!pq.empty()) {
19         int u = pq.top().second;
20         pq.pop();
21
22         for (auto& p : graph[u]) {
23             int v = p.second;
24             int w = p.first;
25
26             if (dist[v] > dist[u] + w) {
27                 dist[v] = dist[u] + w;
28                 pq.push(make_pair(dist[v], v));
29             }
30         }
31     }
32
33     if (dist[1] == INT_MAX) {
34         // cout << -1 << endl;
35         return -1;
36     }
37
38     // cout << dist[1] << endl;
39     return dist[1];
40 }
41
42 int main() {
43     ios::sync_with_stdio(false);
44     cin.tie(NULL);
```

```

45     cout.tie(NULL);
46
47     int n, m, k;
48     cin >> n >> m >> k;
49
50     Graph graph(n + 2);
51     vector<pair<Pair, int>> blueEdges;
52
53     auto add = [&](int u, int v, int w) { graph[u].pb(make_pair(w, v)); };
54
55     while (m--) {
56         int i, j, w;
57         cin >> i >> j >> w;
58         i--, j--;
59         add(i, j, w);
60         add(j, i, w);
61     }
62     while (k--) {
63         int i, j, w;
64         cin >> i >> j >> w;
65         i--, j--;
66         blueEdges.pb({{i, j}, w});
67     }
68
69     int res = INT_MAX;
70     for (auto& edge : blueEdges) {
71         add(edge.first.first, edge.first.second, edge.second);
72         add(edge.first.second, edge.first.first, edge.second);
73
74         int cur = dijkstra(graph, 0);
75         if (cur != -1) {
76             res = min(res, cur);
77         }
78
79         graph[edge.first.first].pop_back();
80         graph[edge.first.second].pop_back();
81     }
82
83     if (res != INT_MAX) {
84         cout << res << endl;
85         return 0;
86     }
87
88     cout << -1 << endl;
89
90     // dijkstra(graph, 0);
91
92     return 0;
93 }
```

Test Detail

- Subtask 0 - **Unaccepted**
 - Test 0 - **Accepted** : ok 1 number(s): "8"
 - Test 1 - **Accepted** : ok 1 number(s): "-1"
 - Test 2 - **Accepted** : ok 1 number(s): "4"
 - Test 3 - **Wrong Answer** : wrong answer 1st numbers differ - expected: '127333081', found: '-1'
 - Test 4 - **Time Limit Exceeded** :
 - Test 5 - **Time Limit Exceeded** :
 - Test 6 - **Time Limit Exceeded** :
 - Test 7 - **Time Limit Exceeded** :
 - Test 8 - **Accepted** : ok 1 number(s): "22751"
 - Test 9 - **Wrong Answer** : wrong answer 1st numbers differ - expected: '90111', found: '-1'
 - Test 10 - **Time Limit Exceeded** :
 - Test 11 - **Accepted** : ok 1 number(s): "-1"
 - Test 12 - **Time Limit Exceeded** :
 - Test 13 - **Time Limit Exceeded** :
 - Test 14 - **Time Limit Exceeded** :
 - Test 15 - **Time Limit Exceeded** :
 - Test 16 - **Time Limit Exceeded** :
 - Test 17 - **Time Limit Exceeded** :
 - Test 18 - **Time Limit Exceeded** :
 - Test 19 - **Accepted** : ok 1 number(s): "-1"
 - Test 20 - **Accepted** : ok 1 number(s): "11456"
 - Test 21 - **Accepted** : ok 1 number(s): "20779"
 - Test 22 - **Accepted** : ok 1 number(s): "-1"
 - Test 23 - **Accepted** : ok 1 number(s): "11954"
 - Test 24 - **Accepted** : ok 1 number(s): "53008661"

Submission 138190379

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 18:38:27	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     unsigned long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x3f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12 //    q.push(make_pair(0,n+1));
13 //    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        for(auto e: edge[x]){
17            int y=e.first;long long w=e.second;
18            dis[y]=min(dis[y],dis[x]+w);
19            if(!vis[y]){
20                vis[y]=true;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;n+=2;
28 //    for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
29    for(int i=1;i<=m;i++){
30        int u,v;long long w;cin>>u>>v>>w;
31        edge[u].push_back(make_pair(v,w));
32        edge[v].push_back(make_pair(u,w));
33        edge[u+n].push_back({v+n,w});
34        edge[v+n].push_back({u+n,w});
35    }
36    for(int i=1;i<=k;i++){
37        int u,v;long long w;cin>>u>>v>>w;
38        edge[u].push_back({v+n,w});
39        edge[v].push_back({u+n,w});
40    }
41    Dij();
42    if(vis[2]||vis[n+2]){
43        cout<<min(dis[2],dis[2+n])<<'\n';
44    }else cout<<-1<<'\n';
45 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138177669

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 17:07:13	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <tuple>
5 /*
6 两种状态，用了蓝边和没用蓝边，然后分别计算距离，用了就更新
7 */
8 using namespace std;
9 const int MAXN = 200005;
10 const long long INF = 100000000;
11 struct Edge
12 {
13     int to;
14     long long weight;
15     bool isBlue;
16 };
17 vector<Edge> adj[MAXN];
18 long long dist[MAXN][2];
19 void dijkstra(int start)
20 {
21     for (int i = 0; i < MAXN; ++i)
22     {
23         dist[i][0] = dist[i][1] = INF;
24     }
25     dist[start][0] = 0;
26     priority_queue<tuple<long long, int, bool>, vector<tuple<long long, int, bool>>, greater<>> pq;
27     pq.emplace(0, start, false);
28     while (!pq.empty())
29     {
30         auto [d, u, usedBlue] = pq.top();
31         pq.pop();
32         if (d > dist[u][usedBlue]) continue;
33         for (auto &[v, w, isBlue]: adj[u])
34         {
35             if (isBlue && usedBlue) continue;
36             long long newDist = d + w;
37             bool newUsedBlue = usedBlue || isBlue;
38             if (newDist < dist[v][newUsedBlue])
39             {
40                 dist[v][newUsedBlue] = newDist;
41                 pq.emplace(newDist, v, newUsedBlue);
42             }
43         }
44     }
45 }
```

```

44     }
45 }
46 int main() {
47     int n, m, k, u, v;
48     long long w;
49     cin >> n >> m >> k;
50     //输入红边
51     for (int i = 0; i < m; ++i)
52     {
53         cin >> u >> v >> w;
54         adj[u].push_back({v, w, false});
55         adj[v].push_back({u, w, false});
56     }
57     //输入蓝边
58     for (int i = 0; i < k; ++i) {
59         cin >> u >> v >> w;
60         adj[u].push_back({v, w, true});
61         adj[v].push_back({u, w, true});
62     }
63     dijkstra(1);
64     //取两种状态的最小值
65     long long result = min(dist[2][0], dist[2][1]);
66     printf("%lld\n", result == INF ? -1 : result);
67     return 0;
68 }
69

```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '-1'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Accepted](#) : ok 1 number(s): "988"
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"

- Test 16 - Accepted : ok 1 number(s): "29654"
- Test 17 - Accepted : ok 1 number(s): "69460"
- Test 18 - Accepted : ok 1 number(s): "33586"
- Test 19 - Accepted : ok 1 number(s): "-1"
- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Wrong Answer : wrong answer 1st numbers differ - expected: '53008661',
found: '-1'

Submission 138176907

User	Time	Problem	Language	Verdict
Sagecheni	2023/12/4 17:02:04	Mountains in Sumeru	C++14(GCC 9)	Accepted

Code

```
1 #include <iostream>
2 #include <vector>
3 #include <queue>
4 #include <limits>
5 #include <tuple>
6 /*
7 两种状态，用了蓝边和没用蓝边，然后分别计算距离，用了就更新
8 */
9 using namespace std;
10 const int MAXN = 200005;
11 const long long INF = numeric_limits<long long>::max();
12 struct Edge {
13     int to;
14     long long weight;
15     bool isBlue;
16 };
17 vector<Edge> adj[MAXN];
18 long long dist[MAXN][2];
19 void dijkstra(int start)
20 {
21     for (int i = 0; i < MAXN; ++i)
22     {
23         dist[i][0] = dist[i][1] = INF;
24     }
25     dist[start][0] = 0;
26     priority_queue<tuple<long long, int, bool>, vector<tuple<long long, int, bool>>, greater<>> pq;
27     pq.emplace(0, start, false);
28     while (!pq.empty())
29     {
30         auto [d, u, usedBlue] = pq.top();
31         pq.pop();
32         if (d > dist[u][usedBlue]) continue;
33         for (auto &[v, w, isBlue]: adj[u])
34         {
35             if (isBlue && usedBlue) continue;
36             long long newDist = d + w;
37             bool newUsedBlue = usedBlue || isBlue;
38             if (newDist < dist[v][newUsedBlue])
39             {
40                 dist[v][newUsedBlue] = newDist;
41                 pq.emplace(newDist, v, newUsedBlue);
42             }
43         }
44     }
}
```

```

45 }
46 int main() {
47     int n, m, k, u, v;
48     long long w;
49     cin >> n >> m >> k;
50     for (int i = 0; i < m; ++i) {
51         cin >> u >> v >> w;
52         adj[u].push_back({v, w, false});
53         adj[v].push_back({u, w, false});
54     }
55     for (int i = 0; i < k; ++i) {
56         cin >> u >> v >> w;
57         adj[u].push_back({v, w, true});
58         adj[v].push_back({u, w, true});
59     }
60     dijkstra(1);
61     long long result = min(dist[2][0], dist[2][1]);
62     cout << (result == INF ? -1 : result) << endl;
63     return 0;
64 }
65

```

Test Detail

- Subtask 0 - Accepted
 - Test 0 - Accepted : ok 1 number(s): "8"
 - Test 1 - Accepted : ok 1 number(s): "-1"
 - Test 2 - Accepted : ok 1 number(s): "4"
 - Test 3 - Accepted : ok 1 number(s): "127333081"
 - Test 4 - Accepted : ok 1 number(s): "87448"
 - Test 5 - Accepted : ok 1 number(s): "113807"
 - Test 6 - Accepted : ok 1 number(s): "0"
 - Test 7 - Accepted : ok 1 number(s): "656"
 - Test 8 - Accepted : ok 1 number(s): "22751"
 - Test 9 - Accepted : ok 1 number(s): "90111"
 - Test 10 - Accepted : ok 1 number(s): "-1"
 - Test 11 - Accepted : ok 1 number(s): "-1"
 - Test 12 - Accepted : ok 1 number(s): "6069"
 - Test 13 - Accepted : ok 1 number(s): "8437"
 - Test 14 - Accepted : ok 1 number(s): "988"
 - Test 15 - Accepted : ok 1 number(s): "15383"
 - Test 16 - Accepted : ok 1 number(s): "29654"
 - Test 17 - Accepted : ok 1 number(s): "69460"
 - Test 18 - Accepted : ok 1 number(s): "33586"
 - Test 19 - Accepted : ok 1 number(s): "-1"

- Test 20 - Accepted : ok 1 number(s): "11456"
- Test 21 - Accepted : ok 1 number(s): "20779"
- Test 22 - Accepted : ok 1 number(s): "-1"
- Test 23 - Accepted : ok 1 number(s): "11954"
- Test 24 - Accepted : ok 1 number(s): "53008661"

Submission 138148800

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 12:35:40	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     unsigned long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x3f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12 //    q.push(make_pair(0,n+1));
13 //    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        for(auto e: edge[x]){
17            int y=e.first,w=e.second;
18            dis[y]=min(dis[y],dis[x]+w);
19            if(!vis[y]){
20                vis[y]=true;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;n+=2;
28 //    for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
29    for(int i=1;i<=m;i++){
30        int u,v;long long w;cin>>u>>v>>w;
31        edge[u].push_back(make_pair(v,w));
32        edge[v].push_back(make_pair(u,w));
33        edge[u+n].push_back({v+n,w});
34        edge[v+n].push_back({u+n,w});
35    }
36    for(int i=1;i<=k;i++){
37        int u,v;long long w;cin>>u>>v>>w;
38        edge[u].push_back({v+n,w});
39        edge[v].push_back({u+n,w});
40    }
41    Dij();
42    unsigned long long minn=min(dis[2],dis[2+n]);
43    if(vis[2]||vis[n+2]){
44        cout<<minn<<'\n';
45    }else cout<<-1<<'\n';
46 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138148760

User	Time	Problem	Language	Verdict
zengwei	2023/12/4 12:35:08	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     unsigned long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x3f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12 //    q.push(make_pair(0,n+1));
13 //    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        if(x==2||x==n+2)break;
17        for(auto e: edge[x]){
18            int y=e.first,w=e.second;
19            dis[y]=min(dis[y],dis[x]+w);
20            if(!vis[y]){
21                vis[y]=true;
22                q.push(make_pair(-dis[y],y));
23            }
24        }
25    }
26 }
27 int main(){
28     cin>>n>>m>>k;n+=2;
29 //    for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
30    for(int i=1;i<=m;i++){
31        int u,v;long long w;cin>>u>>v>>w;
32        edge[u].push_back(make_pair(v,w));
33        edge[v].push_back(make_pair(u,w));
34        edge[u+n].push_back({v+n,w});
35        edge[v+n].push_back({u+n,w});
36    }
37    for(int i=1;i<=k;i++){
38        int u,v;long long w;cin>>u>>v>>w;
39        edge[u].push_back({v+n,w});
40        edge[v].push_back({u+n,w});
41    }
42    Dij();
43    unsigned long long minn=min(dis[2],dis[2+n]);
44    if(vis[2]||vis[n+2]){
45        cout<<minn<<'\n';
```

```
46     }else cout<<-1<<'\n';
47 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '8', found: '9'
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '656', found: '1024'
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '15383', found: '16259'
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138126118

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 22:19:43	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x3f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12 //    q.push(make_pair(0,n+1));
13 //    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        for(auto e: edge[x]){
17            int y=e.first,w=e.second;
18            dis[y]=min(dis[y],dis[x]+w);
19            if(!vis[y]){
20                vis[y]=true;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;n+=2;
28 //    for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
29    for(int i=1;i<=m;i++){
30        int u,v;long long w;cin>>u>>v>>w;
31        edge[u].push_back(make_pair(v,w));
32        edge[v].push_back(make_pair(u,w));
33        edge[u+n].push_back({v+n,w});
34        edge[v+n].push_back({u+n,w});
35    }
36    for(int i=1;i<=k;i++){
37        int u,v;long long w;cin>>u>>v>>w;
38        edge[u].push_back({v+n,w});
39        edge[v].push_back({u+n,w});
40    }
41    Dij();
42    long long minn=min(dis[2],dis[2+n]);
43    if(vis[2]||vis[n+2]){
44        cout<<minn<<'\n';
45    }else cout<<-1<<'\n';
46 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138125865

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 22:17:34	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x3f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12 //    q.push(make_pair(0,n+1));
13 //    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        for(auto e: edge[x]){
17            int y=e.first,w=e.second;
18            dis[y]=min(dis[y],dis[x]+w);
19            if(!vis[y]){
20                vis[y]=true;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;n+=2;
28     for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
29     for(int i=1;i<=m;i++){
30         int u,v;long long w;cin>>u>>v>>w;
31         edge[u].push_back(make_pair(v,w));
32         edge[v].push_back(make_pair(u,w));
33         edge[u+n].push_back({v+n,w});
34         edge[v+n].push_back({u+n,w});
35     }
36     for(int i=1;i<=k;i++){
37         int u,v;long long w;cin>>u>>v>>w;
38         edge[u].push_back({v+n,w});
39         edge[v].push_back({u+n,w});
40     }
41     Dij();
42     long long minn=min(dis[2],dis[2+n]);
43     if(vis[2]||vis[n+2]){
44         cout<<minn<<'\n';
45     }else cout<<-1<<'\n';
46 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138120850

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 21:42:56	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x7f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12    q.push(make_pair(0,n+1));
13    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        for(auto e: edge[x]){
17            int y=e.first,w=e.second;
18            dis[y]=min(dis[y],dis[x]+w);
19            if(!vis[y]){
20                vis[y]=true;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;n+=2;
28     for(int i=1;i<=n;i++)edge[i].push_back({i+n,0});
29     for(int i=1;i<=m;i++){
30         int u,v;long long w;cin>>u>>v>>w;
31         edge[u].push_back(make_pair(v,w));
32         edge[v].push_back(make_pair(u,w));
33         edge[u+n].push_back({v+n,w});
34         edge[v+n].push_back({u+n,w});
35     }
36     for(int i=1;i<=k;i++){
37         int u,v;long long w;cin>>u>>v>>w;
38         edge[u].push_back({v+n,w});
39         edge[v].push_back({u+n,w});
40     }
41     Dij();
42     long long minn=min(dis[2],dis[2+n]);
43     if(vis[2]||vis[n+2]){
44         cout<<minn<<'\n';
45     }else cout<<-1<<'\n';
46 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138108029

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 20:36:15	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=8e5+100;
4 vector<pair<int, long long> > edge[N];
5     int n,m,k;
6     long long dis[N];bool vis[N];
7 void Dij(){
8     memset(dis,0x7f,sizeof(dis));
9     priority_queue<pair<long long,int> > q;
10    q.push(make_pair(0,1));
11    vis[1]=true;dis[1]=0;
12    q.push(make_pair(0,n+1));
13    vis[n+1]=true;dis[n+1]=0;
14    while(!q.empty()){
15        int x=q.top().second;q.pop();
16        for(auto e: edge[x]){
17            int y=e.first,w=e.second;
18            dis[y]=min(dis[y],dis[x]+w);
19            if(!vis[y]){
20                vis[y]=true;
21                q.push(make_pair(-dis[y],y));
22            }
23        }
24    }
25 }
26 int main(){
27     cin>>n>>m>>k;
28     n+=2;
29     for(int i=1;i<=m;i++){
30         int u,v,w;cin>>u>>v>>w;
31         edge[u].push_back(make_pair(v,w));
32         edge[v].push_back(make_pair(u,w));
33         edge[u+n].push_back({v+n,w});
34         edge[v+n].push_back({u+n,w});
35     }
36     for(int i=1;i<=k;i++){
37         int u,v,w;cin>>u>>v>>w;
38         edge[u].push_back({v+n,w});
39         edge[v].push_back({u+n,w});
40     }
41     Dij();
42     long long minn=min(dis[2],dis[2+n]);
43     if(vis[2]||vis[n+2]){
44         cout<<minn;
45     }else cout<<-1;
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138107434

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 20:33:41	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=4e5+100;
4 vector<pair<int, long long> > edge[N];
5 long long dis[N];bool vis[N];
6 void Dij(){
7     memset(dis,0x7f,sizeof(dis));
8     priority_queue<pair<long long,int> > q;
9     q.push(make_pair(0,1));
10    vis[1]=true;dis[1]=0;
11    while(!q.empty()){
12        int x=q.top().second;q.pop();
13        for(auto e: edge[x]){
14            int y=e.first,w=e.second;
15            dis[y]=min(dis[y],dis[x]+w);
16            if(!vis[y]){
17                vis[y]=true;
18                q.push(make_pair(-dis[y],y));
19            }
20        }
21    }
22 }
23 int main(){
24     int n,m,k;
25     cin>>n>>m>>k;
26     n+=2;
27     for(int i=1;i<=m;i++){
28         int u,v,w;cin>>u>>v>>w;
29         edge[u].push_back(make_pair(v,w));
30         edge[v].push_back(make_pair(u,w));
31         edge[u+n].push_back({v+n,w});
32         edge[v+n].push_back({u+n,w});
33     }
34     for(int i=1;i<=k;i++){
35         int u,v,w;cin>>u>>v>>w;
36         edge[u].push_back({v+n,w});
37         edge[v].push_back({u+n,w});
38     }
39     Dij();
40     long long minn=min(dis[2],dis[2+n]);
41     if(vis[2]||vis[n+2]){
42         cout<<minn;
43     }else cout<<-1;
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138106703

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 20:30:17	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=4e5+100;
4 vector<pair<int, long long> > edge[N];
5 long long dis[N];bool vis[N];
6 void Dij(){
7     memset(dis, 0x7f, sizeof(dis));
8     priority_queue<pair<int, int> > q;
9     q.push(make_pair(0, 1));
10    vis[1]=true;dis[1]=0;
11    while(!q.empty()){
12        int x=q.top().second;q.pop();
13        for(auto e: edge[x]){
14            int y=e.first,w=e.second;
15            dis[y]=min(dis[y], dis[x]+w);
16            if(!vis[y]){
17                vis[y]=true;
18                q.push(make_pair(-dis[y],y));
19            }
20        }
21    }
22 }
23 int main(){
24     int n,m,k;
25     cin>>n>>m>>k;
26     n+=2;
27     for(int i=1;i<=m;i++){
28         int u,v,w;cin>>u>>v>>w;
29         edge[u].push_back(make_pair(v,w));
30         edge[v].push_back(make_pair(u,w));
31         edge[u+n].push_back({v+n,w});
32         edge[v+n].push_back({u+n,w});
33     }
34     for(int i=1;i<=k;i++){
35         int u,v,w;cin>>u>>v>>w;
36         edge[u].push_back({v+n,w});
37         edge[v].push_back({u+n,w});
38     }
39     Dij();
40     long long minn=min(dis[2],dis[2+n]);
41     if(vis[2]||vis[n+2]){
42         cout<<minn;
43     }else cout<<-1;
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

Submission 138106293

User	Time	Problem	Language	Verdict
zengwei	2023/12/3 20:28:22	Mountains in Sumeru	C++14(GCC 9)	Unaccepted

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 const int N=4e5+100;
4 vector<pair<int, long long> > edge[N];
5 long long dis[N];bool vis[N];
6 void Dij(){
7     memset(dis,0x3f,sizeof(dis));
8     priority_queue<pair<int,int> > q;
9     q.push(make_pair(0,1));
10    vis[1]=true;dis[1]=0;
11    while(!q.empty()){
12        int x=q.top().second;q.pop();
13        for(auto e: edge[x]){
14            int y=e.first,w=e.second;
15            dis[y]=min(dis[y],dis[x]+w);
16            if(!vis[y]){
17                vis[y]=true;
18                q.push(make_pair(-dis[y],y));
19            }
20        }
21    }
22 }
23 int main(){
24     int n,m,k;
25     cin>>n>>m>>k;
26     n+=2;
27     for(int i=1;i<=m;i++){
28         int u,v,w;cin>>u>>v>>w;
29         edge[u].push_back(make_pair(v,w));
30         edge[v].push_back(make_pair(u,w));
31         edge[u+n].push_back({v+n,w});
32         edge[v+n].push_back({u+n,w});
33     }
34     for(int i=1;i<=k;i++){
35         int u,v,w;cin>>u>>v>>w;
36         edge[u].push_back({v+n,w});
37         edge[v].push_back({u+n,w});
38     }
39     Dij();
40     int minn=min(dis[2],dis[2+n]);
41     if(vis[2]||vis[n+2]){
42         cout<<minn;
43     }else cout<<-1;
44 }
```

Test Detail

- Subtask 0 - [Unaccepted](#)
 - Test 0 - [Accepted](#) : ok 1 number(s): "8"
 - Test 1 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 2 - [Accepted](#) : ok 1 number(s): "4"
 - Test 3 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '127333081', found: '127863157'
 - Test 4 - [Accepted](#) : ok 1 number(s): "87448"
 - Test 5 - [Accepted](#) : ok 1 number(s): "113807"
 - Test 6 - [Accepted](#) : ok 1 number(s): "0"
 - Test 7 - [Accepted](#) : ok 1 number(s): "656"
 - Test 8 - [Accepted](#) : ok 1 number(s): "22751"
 - Test 9 - [Accepted](#) : ok 1 number(s): "90111"
 - Test 10 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 11 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 12 - [Accepted](#) : ok 1 number(s): "6069"
 - Test 13 - [Accepted](#) : ok 1 number(s): "8437"
 - Test 14 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '988', found: '1015'
 - Test 15 - [Accepted](#) : ok 1 number(s): "15383"
 - Test 16 - [Accepted](#) : ok 1 number(s): "29654"
 - Test 17 - [Accepted](#) : ok 1 number(s): "69460"
 - Test 18 - [Accepted](#) : ok 1 number(s): "33586"
 - Test 19 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 20 - [Accepted](#) : ok 1 number(s): "11456"
 - Test 21 - [Accepted](#) : ok 1 number(s): "20779"
 - Test 22 - [Accepted](#) : ok 1 number(s): "-1"
 - Test 23 - [Accepted](#) : ok 1 number(s): "11954"
 - Test 24 - [Wrong Answer](#) : wrong answer 1st numbers differ - expected: '53008661', found: '53197204'

