

Submission

[illegible]

Compiler output

```
./coast.cpp: In function 'int main()':
./coast.cpp:92:10: warning: ignoring return value of 'int scanf(const char*, ...)', declared with attribute warn_unused_result [-Wunused-result]
   92 |         scanf("%d%d", &N, &M);
      |         ~~~~~^~~~~~
```

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FILENAME	FILESIZE	SHA-1 SUM	
coast.cpp	2534 bytes	770239f5f7578f7067eb73143c4498ce2c873d8e	download

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coast.cpp

```
1 #include <bits/stdc++.h>
2
3 namespace std;
4
```

```

5 bool world[1010][1010];
6
7
8 void addSea(int N, int M){
9     for(int i = 0; i < N; i++){
10         world[i][0] = false;
11         world[i][M - 1] = false;
12     }
13
14     for(int i = 0; i < M; i++){
15         world[0][i] = false;
16         world[N - 1][i] = false;
17     }
18 }
19 }
20
21 int bfs(int N, int M){
22     int count = 0;
23     bool visited[1010][1010];
24     memset(visited, 0, sizeof(visited));
25     queue<pair<int, int>> Q;
26     Q.push(pair<int, int>(0, 0));
27     visited[0][0] = true;
28
29     while (!Q.empty()){
30         int v = Q.front().first;
31         int w = Q.front().second;
32         Q.pop();
33
34         if(v > 0 && !visited[v - 1][w] && !world[v][w]){
35             if(!world[v - 1][w]){
36                 Q.push(pair<int, int>(v - 1, w));
37                 visited[v - 1][w] = true;
38             }
39             else if(world[v - 1][w]){
40                 count++;
41             }
42         }
43     }
44
45     Help if(v < N - 1 && !visited[v + 1][w] && !world[v][w]){
46         if(!world[v + 1][w]){
47             Q.push(pair<int, int>(v + 1, w));

```

```

49         visited[v + 1][w] = true;
50     }
51     else if(world[v + 1][w]){
52         count++;
53     }
54
55
56 }
57
58
59 if(w > 0 && !visited[v][w - 1] && !world[v][w]){
60     if(!world[v][w - 1]){
61         Q.push(pair<int, int>(v, w - 1));
62         visited[v][w - 1] = true;
63     }
64     else if(world[v][w - 1]){
65         count++;
66     }
67
68 }
69
70 if(w < M - 1 && !visited[v][w + 1] && !world[v][w]){
71
72     if(!world[v][w + 1]){
73         Q.push(pair<int, int>(v, w + 1));
74         visited[v][w + 1] = true;
75     }
76     else if(world[v][w + 1]){
77         count++;
78     }
79
80 }
81
82
83 }
84
85 return count;
86 }
87
88 int main() {
89     N, M;
90     Help square;
91
92     scanf("%d%d", &N, &M);

```

```
93
94     N += 2;
95     M += 2;
96
97     addSea(N, M);
98
99     for(int i = 1; i < N - 1; i++){
100
101         for(int j = 1; j < M - 1; j++){
102             cin >> square;
103
104             if(square == '1'){
105                 world[i][j] = true;
106             }
107             else{
108                 world[i][j] = false;
109             }
110         }
111     }
112
113
114     cout << bfs(N, M) << endl;
115
116
117     return 0;
118 }
```