

```

1  #include <cstdio>
2  #include <vector>
3
4  using namespace std;
5
6  vector<int> moves;
7
8  void printAnswer() {
9      for(int m: moves)
10         printf("%d\n", m);
11 }
12
13 int M, N, T;
14
15 int search(int d[101][41], int t, int n) {
16     if(d[t][n] == 1)
17         return 0;
18     else if(d[t][n] == 0 && t == T) {
19         return 1;
20     }
21
22     int success = 0;
23     if(n > 1) {
24         moves.push_back(1);
25         success = search(d, t+1, n-1);
26         if(success == 0)
27             moves.pop_back();
28         else
29             return 1;
30     }
31     if(success == 0) {
32         moves.push_back(3);
33         success = search(d, t+1, n);
34         if(success == 0)
35             moves.pop_back();
36         else
37             return 1;
38     }
39     if(success == 0 && n < M) {
40         moves.push_back(2);
41         success = search(d, t+1, n+1);
42         if(success == 0)
43             moves.pop_back();
44         else
45             return 1;
46     }
47     return success;
48 }
49
50 int main() {
51     scanf("%d%d%d", &M, &N, &T);
52     int d[101][41];
53     for(int t = 1; t <= T; ++t) {
54         for(int m = 1; m <= M; ++m) {
55             scanf("%d", &d[t][m]);
56         }
57     }
58     for(int m = 1; m <= M; ++m) {
59         d[0][m] = 0;
60     }
61
62     int success = search(d, 0, N);
63     printAnswer();
64
65     return 0;
66 }
67
68 /**
69 7
70 5
71 5
72 0 0 0 0 0 0 0
73 0 0 0 0 0 0 0

```

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74  0 0 0 0 0 0 0
75  0 1 1 0 0 0 0
76  1 0 1 1 1 1 1
77  */
78
```