```cpp
1: #include<iostream>
2: #include<fstream>
3:
4: using namespace std;
5:
6: //#define FILE "input1.txt"
7: #define SIZE 12
8: void readfile(int maze[][SIZE]);
9:
10: int main(void)
11: {
12: //======= don't change ================================
13:
14:     int maze[SIZE][SIZE]={0};
15:     readfile(maze);
16:
17: //======= don't change ================================
18:
19:     cout<<"Maze: "<<endl;
20:     for(int i=0;i<SIZE;i++){
21:         for(int j=0;j<SIZE;j++){
22:             cout<<maze[i][j]<<" ";
23:         }
24:         cout<<"\n";
25:     }
26:     cout<<"Answer: "<<endl;
27:     int x=1,y=1,step=0;
28:     int xx[19],yy[19];
29:     while(step!=18)
30:     {
31:         if(maze[x+1][y]==1)//down
32:         {
33:             x+=1;
34:             step++;
35:             xx[step]=x;
36:             yy[step]=y;
37:         }
38:         else if(maze[x][y+1]==1)//right
39:         {
40:             y+=1;
41:             step++;
42:             xx[step]=x;
43:             yy[step]=y;
44:         }
45:         else{
46:             if(maze[x-1][y]==1)//up
```

```cpp
47:                {
48:                    step--;
49:                    maze[x][y]=0;
50:                    x=xx[step];
51:                    y=yy[step];
52:                }
53:                else if(maze[x][y-1]==1)
54:                {
55:                    step--;
56:                    maze[x][y]=0;
57:                    x=xx[step];
58:                    y=yy[step];
59:                }
60:            }
61:        }
62:        cout<<"(1,1)"<<endl;
63:        for(int a=1;a<=18;a++)
64:        cout<<"("<<xx[a]<<","<<yy[a]<<")"<<endl;
65:        return 0;
66: }
67:
68: void readfile(int maze[][SIZE])
69: {
70:        fstream ifs;
71:        ifs.open("input1.txt");
72:        for(int i=0;i<SIZE;i++){
73:            for(int j=0;j<SIZE;j++){
74:                ifs>>maze[i][j];
75:            }
76:        }
77: }
```