Homework Project 3

Given 04/08/2019, Due 04/29/2019

Write a function that finds the shortest path through a maze, from start point `s` to target `t`, using Breadth First Search. The function declaration is

```
void BFS(int n, int * maze)
```

Here `n` is the sidelength of the maze, `*maze` is an $\texttt{n} \times \texttt{n}$ array representing the maze, with entry 0 representing a blocked point, entry 1 representing an open point, and entries 2 and 3 representing the start and target points. Your function sets all the entries for fields on the shortest path to 4.

Submit your source code by e-mail to `phjmbrass@gmail.com`; include the course (220) and homework number in the subject line, and your name as a comment in the homework file.