

4. We talked about depth- vs. breath-first search. Breath-first finds the shortest path and will find a path if one exists. Depth-first finds the “first” path. With depth-first you can get stuck on an infinite path and not find a solution. Recursion is inherently depth-first and does the bookkeeping for you. For breath-first, you’ll need to explicitly keep track of the uninvestigated paths.

5. Python aborts if it has too many pending recursion calls. This is the recursion limit. You can change this limit with the SYS module using the commands:

```
sys.getrecursionlimit()  
sys.setrecursionlimit(limit)
```

6. Don’t let frustration get the upper hand. Email if you have questions. We’ll extend the due date to Wednesday if needed.

We’ll finish recursion next time