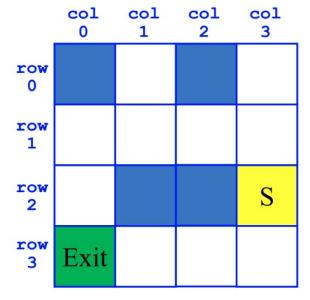


SearchForTheExit

Initialize a Queue to hold Squares as we search
Mark starting square as visited
Enqueue starting square on Queue
While Queue is not empty
Dequeue square sq from Queue
Mark sq as visited
If sq is the Exit, we're done!
For each of square's unvisited neighbors (S, W, N, E):
Set neighbor's previous to sq
Enqueue neighbor to Queue



SearchForTheExit

Initialize a **Stack** to hold Squares as we search
Mark starting square as visited **Push** starting square on **Stack**While **Stack** is not empty **Pop** square sq from **Stack**Mark sq as visited

If sq is the Exit, we're done!

For each of square's unvisited neighbors (S, W, N, E):

Set neighbor's previous to sq **Push** neighbor to **Stack**

Abstract Data Types (In Java, Interfaces)

Data Structures (In Java, implementing classes)

```
class Sort2 {
    public static boolean isSorted2(int[] arr) {
        for(int i = 0; i < arr.length; i += 1) {
            for(int j = i + 1; j < arr.length; j += 1) {
                  if(arr[i] > arr[j]) { return false; }
            }
        }
        return true;
    }
}
```



