Depending on your implementation, after you've coded `blur()`, running the out file from `tests.cpp` may produce a segmentation fault when the tests reach `move()` (i.e. `normalize()`, `blur()` and `initialize_beliefs()` will show their test results, and then the fault occurs). Typically this should resolve itself once `newGrid` within the `move()` function takes shape.

Additional Simulation (*optional*)

While all you need to pass the project is to pass all tests in `tests.cpp`, you can also visualize a simulation of your localizer with `simulate.cpp`. In order to do so, the first step is to uncomment all the lines at the bottom of the file around the `main()` function.

From here, it is up to you how to proceed - the map is initialized for you, and you can then call your functions from `localizer.cpp` to see what happens.

To see the results of the simulation, you'd run:

```
g++ -std=c++11 simulate.cpp
```

Note that this is because you actually have a separate `main()` function here, so it is a completely separate program from `tests.cpp`.

There's one last item to note here - if you try to run `tests.cpp`, it actually uses the `Simulation` class from this file, and so trying to run `tests.cpp` while the `main()` function within `simulate.cpp` is uncommented will result in an error - make sure to comment it back out when submitting!

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