Input Maze, Colors, and Robot Location: ##.# ##.# ##.# ##.# \colors rrrrrrrrrrrrrrrr \robot 2 0

Results from Filtering with num iter = 3:

```
robot location [2, 0]
[0.0, 0.0, 0.055, 0.0, ]
```

```
[0.0, 0.0, 0.055, 0.0, ]
[0.0, 0.0, 0.055, 0.0, ]
[0.0, 0.0, 0.055, 0.0, ]
```

```
##A#
```

```
##.#
##.#
##.#
```

robot moving north robot location [2, 0] [0.0, 0.0, 0.0242, 0.0,]

[0.0, 0.0, 0.0242, 0.0,] [0.0, 0.0, 0.0242, 0.0,]

##A# ##.# ##.#

##.#

##.#

robot moving south robot location [2, 1]

```
[0.0, 0.0, 0.010648, 0.0, ]
[0.0, 0.0, 0.010648, 0.0, ]
[0.0, 0.0, 0.010648, 0.0, ]
[0.0, 0.0, 0.010648, 0.0, ]
```

```
Results from Viterbi Algorithm:
```

['r', 'r', 'r']

```
Viterbi algorithm found path: [(2, 1), (2, 2), (2, 3)]
##.#
##A#
##.#
##.#
```

##.# ##.# ##A# ##.#