**CS 115 – Lab #1**

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*"I pledge my honor that I have abided by the Stevens Honor System."*

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# Picobot 'Maze' Map Code  
# CS 115-C - Lab #1  
# Sid Bhatia

# State 0: North  
# State 1: East  
# State 2: West  
# State 3: South

0 X\*W\* -> N 0 # if there's nothing North and something West, go North  
0 \*\*X\* -> W 2 # if there's nothing West, go West  
0 N\*W\* -> X 1 # if there's something North and West, turn East

2 \*\*XS -> W 2 # if there's something South & nothing West, go West  
2 \*\*WS -> X 0 # if there's something West & South, turn North  
2 \*\*\*X -> S 3 # if there's any opening South, go South

3 \*E\*X -> S 3 # if there's something East and nothing South, go South  
3 \*E\*S -> X 2 # if there's something East & South, turn West  
3 \*X\*\* -> E 1 # if there's nothing East, go East

1 NX\*\* -> E 1 # if there's something North and nothing East, go East  
1 X\*\*\* -> N 0 # if there's nothing North, go North  
1 NE\*\* -> X 3 # if there's something North & East, turn South