**Team Members**

Name: Mahaboob Ali Ashraf Mohammad, NetID: mmoha055

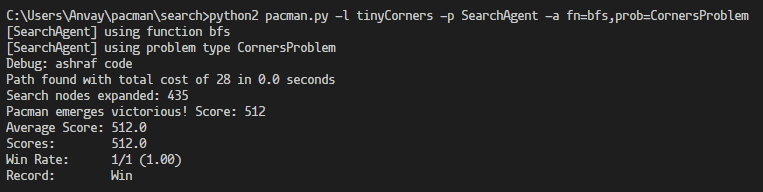
Name: Anvaya, NetID: an001

Week 6 (Due Thursday, November 09 by midnight)

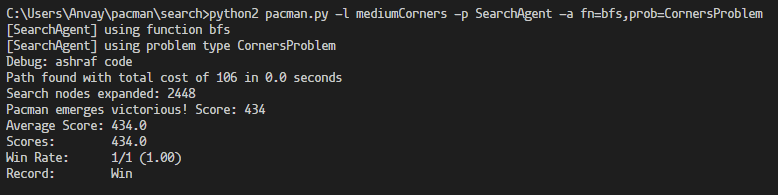
What did we learn?   
BFS selects the closest corner whereas A\* search will select the lowest cost route. Hence A\* provides a better result on the medium maze size. BFS is good for smaller maze size.

Question 5:

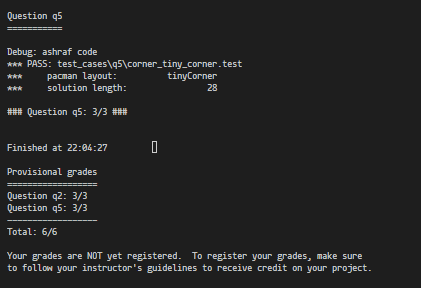
For tiny corners BFS does well, expanding to only 435 nodes.



Here the search nodes are expanded to 2448 nodes which is relatively high compared to the A\* search on medium corners.

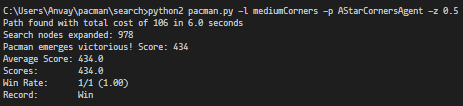


Auto-grader Results:

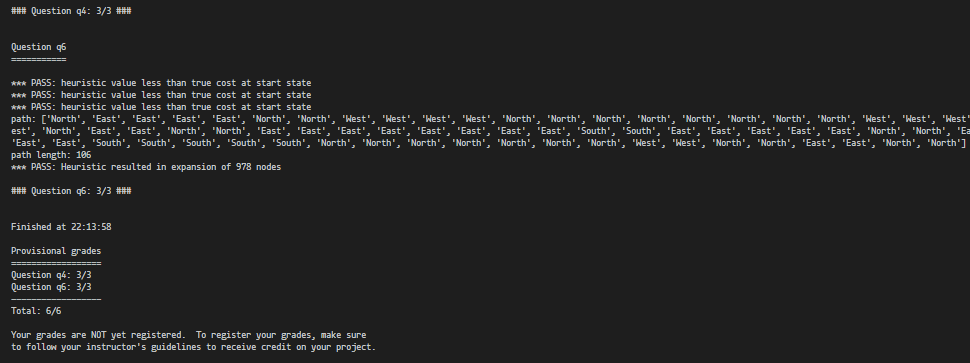


Question 6:

As visible in the snippet the A\* search only expands to 978 nodes. Which is why it provides a good performance.



Auto-grader Result:



References: ??