Questions for assignment 3

1. Minimax expanded 1266 states while alpha-beta expanded 11 states

2.

3. In general, typically they do not expand the same number of nodes since the Alpha-Beta algorithm is designed to prune branches of the search tree that do not lead to a better result than what has already been found. This usually results in the Alpha-Beta algorithm to expand fewer nodes than the Minimax algorithm. However, under certain conditions, is it possible for the two algorithms to expand the same number of nodes. One such condition is when the Alpha-Beta algorithm is unable to prune any branches because of the order in which the moves are considered.