The Backtracking code gives the solution for the Peg Solitaire game at a reasonable time as compared to a solution as compared to a solution without backtracking which did not even find the solution. With a problem of this nature it is hard to predict how well an algorithm will perform. From

our empirical data we can see that the trend of the graph is exponential, which is what we

expected. It is quite remarkable what an improvement the hash table made.