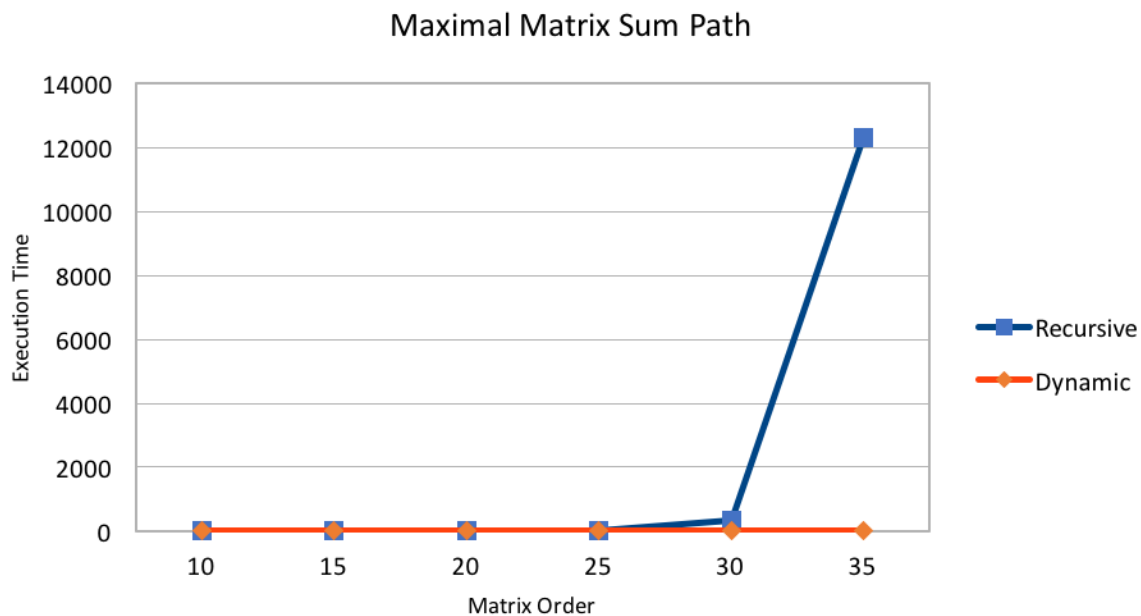


Name – Prabhas Kumra  
Assignment #1  
CS 302-1004

I have a MacBook Pro (2015) 2.7 GHz Intel Core i5 with 8 GB RAM. Although, I am using Ubuntu 18.04 on Virtual Machine with 2 Cores and 5 GB of RAM.



From this graph, it can be concluded that Dynamic programming is faster than Recursion as the Matrix Order increased. Till the order was 25 both algorithms' execution time was same but after that point there was an exponential growth in recursion's times.

The reason why dynamic programming was faster because it was just summation of numbers going down the array. Whereas, using recursive way took large amount of stack memory because of repeated function calls. This was the main reason why recursion is not the best way to solve maximal matrix sum path.