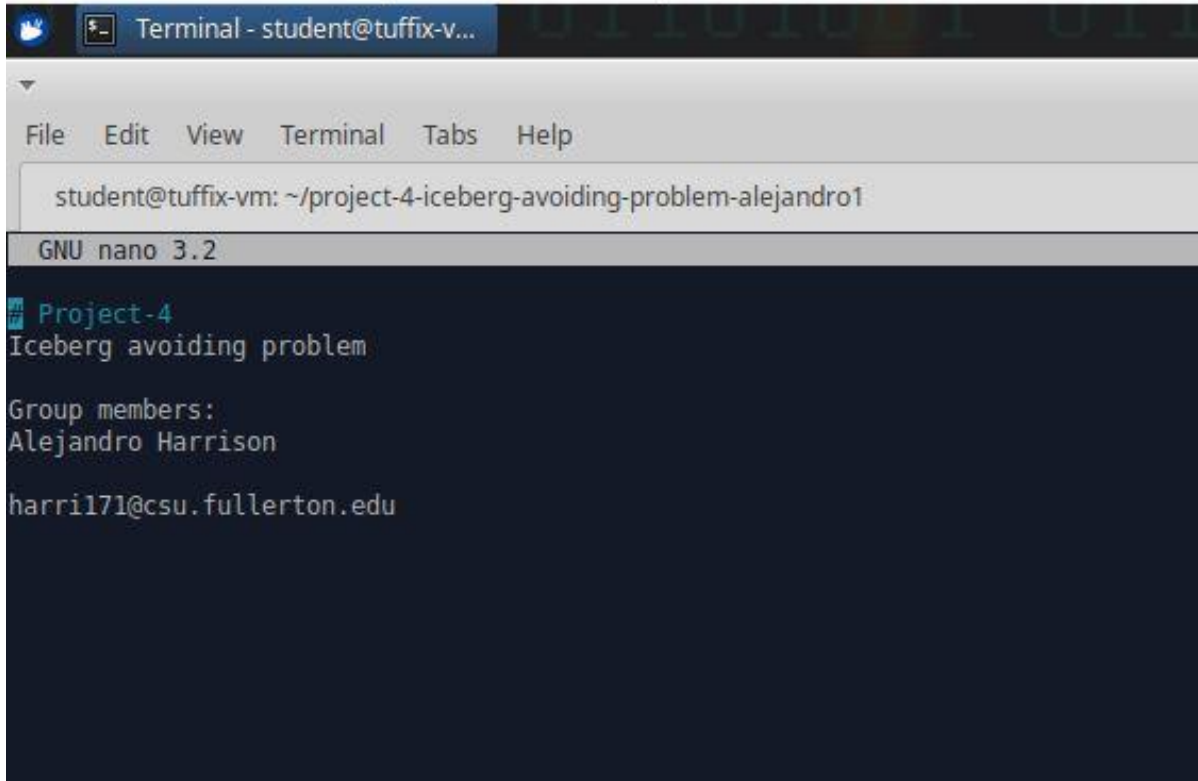


 Tuffix 2019 Edition r2 [Running] - Oracle VM VirtualBox

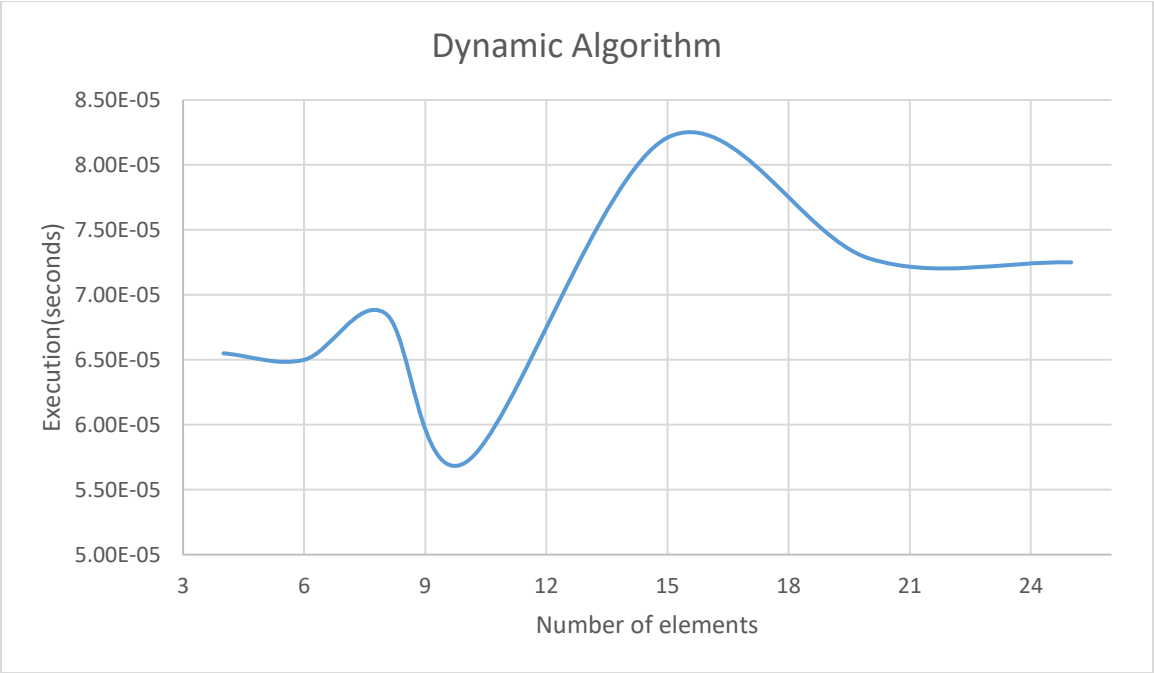
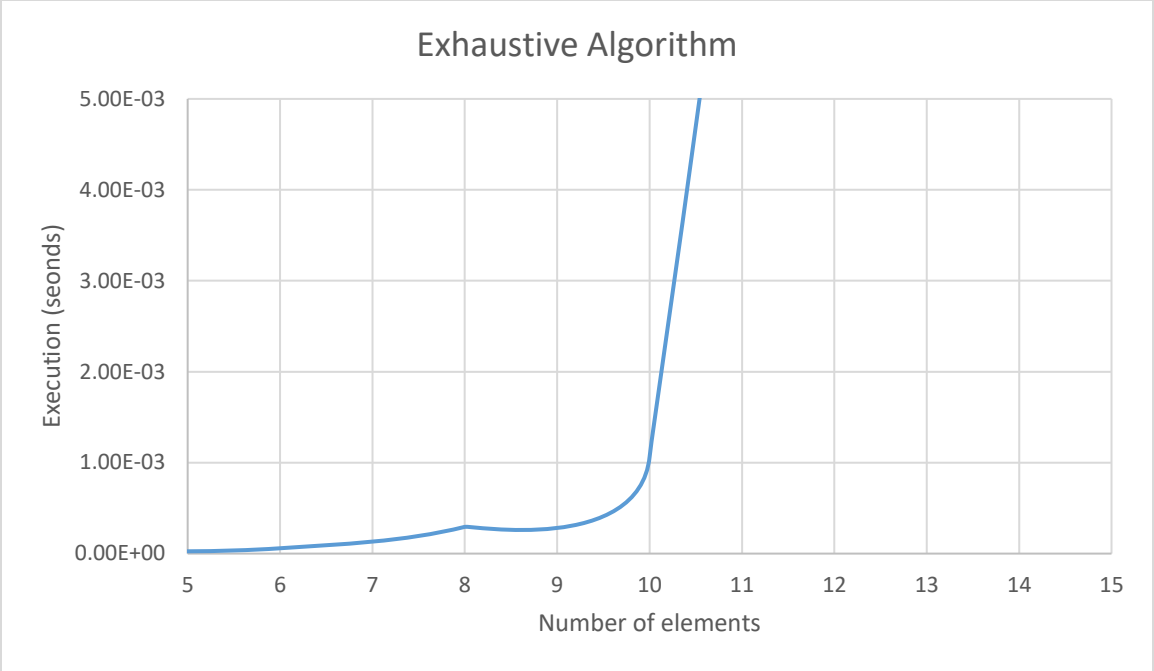
File Machine View Input Devices Help

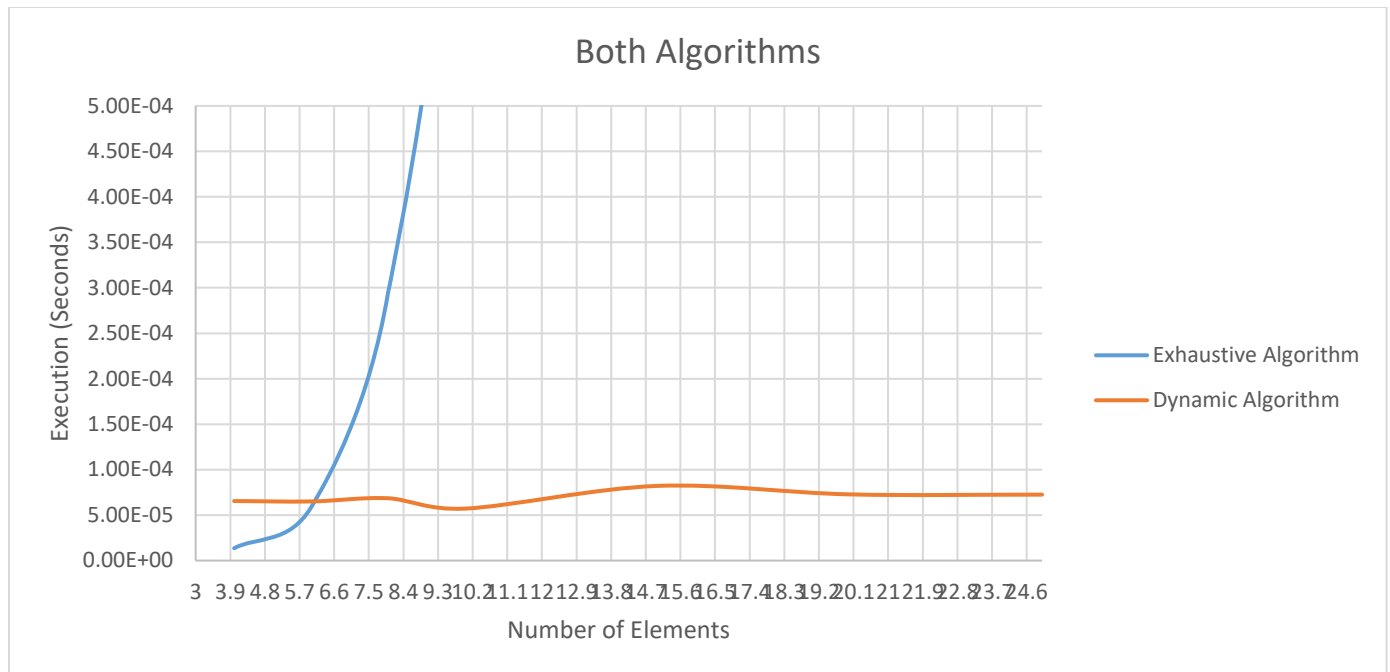


```
Terminal - student@tuffix-v...  
File Edit View Terminal Tabs Help  
student@tuffix-vm: ~/project-4-iceberg-avoiding-problem-alejandro1  
GNU nano 3.2  
# Project-4  
Iceberg avoiding problem  
  
Group members:  
Alejandro Harrison  
  
harri171@csu.fullerton.edu
```

Alejandro Harrison

[Harri171@csu.fullerton.edu](mailto:Harri171@csu.fullerton.edu)





- A) It definitely seems like the curves/lines fit the efficiency class. Since the exhaustive algorithm just executes slower and slower the more elements you add, and has that exponential shape. The dynamic algorithm also resembles a shape of the  $O(n^2)$  efficiency class.
- B) The original hypothesis that dynamic algorithms execute more efficiently seems to be correct based on the execution times of the 2 algorithms.
- C) The dynamic algorithm was definitely easier to comprehend and implement as compared to the exhaustive. For the exhaustive, the hardest part was understanding the bit & as well as wrapping my head around the fact that each integer could be represented as a binary string, which in turn represented a move set.