Amazon Delivery Truck Simulation

Hanna Butt * Ashton Cole † Kelechi Emeruwa ‡

November 21, 2022

Abstract

Summary of whole paper.

1 Introduction

Introduce the context and the problem here.

2 Methodology

Talk about how we're solving the problem (C++, TACC super computer) and how the program works (e.g. reads in text file, spits out text file). Then go into the development process (start simple with address/list classes, test functionality then expand it a bit)

3 Results

Pretty pictures go here. Describe each situation being displayed and talk about what they mean, e.g. is it the optimal solution? Good enough? Is there a tradeoff between time to execute and quality of results?

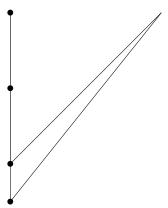
Hmm, maybe insert a table comparing number of nodes/trucks to program execution time. What rate does it increase at $(O(n), O(n^2), \&c.)$

^{*}HFB352

[†]AVC687, ashtonc24@utexas.edu

[‡]KEE688

3.1 Simple Single-Truck Case



3.2 Difficult Single-Truck Case

4 Conclusion

Talk about what we learned, how this all applies to industry, ideas to scale the problem up, &c.