

Final Project for CS 372 2016

[Your name]

Algorithm, Application, Language Choice

- *[Your algorithm choice]*
- *[Your application choice]*
- *[Your language choice]*

Where It Is Used

[Brief description of the class of problems your algorithm(s) solves, other possible applications for your algorithm, and other possible algorithms for your application. 1-2 short paragraphs is sufficient]

Validate Correctness

[Justify you algorithm is correct. This can be formal with high level proofs or “chunking” the algorithm and explaining why each part works and is correct. Pretend you are explaining how it works to your grandma. 1 paragraph will likely be sufficient, but ask if you are unsure]

Empirical Tests

Test Case	Description	Input	Actual output
<i>[test 1]</i>			
<i>[test 2]</i>			
...			

Run time

[Name and explain/prove the theoretical run time]

*[A **fully** labeled graph of runs with varying runs should go here]*

[Compare and contrast your graph to the theoretical run time]

References