CS124 Programming Assignment 1

Joy Ming and Alisa Nguyen (05 March 2013)

- 1 Data
- 2 Our guess for function f(n)
- 3 Discussion of Experiments
 - 1. Prim's Algorithm

We chose to implement Prim's Algorithm because

2. Growth Rates

Initially, our data for the 0 dimension exhibited a similar growth rate to the other dimensions, which we at first naively generalized as correct. However, upon further inspection of our implementation of a heap, we found that it was not in fact behaving as originally planned.

- 3. Algorithm Run Time
- 4. Random Number Generator