
Homework 9: Q3

Name: Stephen Yang, syang29

*Don't forget to input your list of collaborators and sources on **AutoLab**.*
Please submit this file as a PDF.

1 Part (a): Proof Idea

Recitation notes 12 section for help on Q3 part A I believe is enough to prove.

2 Part (b): Algorithm Idea

3 Part (b): Algorithm Details

Algorithm: Algorithm1

4 Part (b): Proof of Correctness Idea

5 Part (b): Proof Details

6 Part (b): Runtime Analysis