## Homework 4 (5pt.)

Submission instruction:

Submit one single pdf file for this homework including both coding problems and analysis problems.

For coding problems, copy and paste your codes. Report your results.

For analysis problems, either type or hand-write and scan.

**Question 1 (5 pt.) Red-Black Tree:** Write codes for RB-Insert. Use the codes to reproduce the result of the example used in the video lecture posted on Nov. 4<sup>th</sup>.