Lab Name

Name:(中文) ID:

# Introduction

Problem description, purpose of this report, and (if any) background of the data structures and the algorithms. **(Be concise)**

# Algorithm

Description (pseudo-code or diagram preferred) of all the algorithms involved for solving the problem, including specifications of main data structures.

# Testing Result

Table of test cases. Each test case may consists of a brief description of the purpose of this case, the expected result, the actual behavior of your program, the possible cause of a bug if your program does not function as expected, and the current status (**pass**, or **corrected**, or **pending**).

# Discussion and Experience

Summary and discussion about this experiment. For example, you may talk about the problems you encountered, and how to solve them, or the knowledge points you have learned.

# Appendix: Source Code

Your source code with necessary comment. The code without comment will **NOT** be evaluated.