## Review Form

**Authors’s Name:\_\_\_\_\_\_李文博\_\_\_\_\_\_\_ Author’s Student No.: \_\_\_\_\_2017011447\_\_\_\_\_\_\_\_**

**Reviewer’s Name:\_\_\_\_\_\_李晨昊\_\_\_\_\_\_\_ Reviewer’s Student No.: \_\_\_\_\_\_2017011466\_\_\_\_\_\_\_ Date：4-6**

|  |  |
| --- | --- |
| Makefile  (10%) | 10 |
| Review Comments | 符合makefile规范 |
| Compilation  (编译正确) (10%) | 10 |
| Review Comment | 编译通过 |
| Correctness of Results  (结果正确) (40%) | 39 |
| Review Comment | 结果正确  但是没有输出MST的长度 |
| Naming Convention  (变量命名合理) (5%) | 3 |
| Review Comment | 类名和变量名没有明显的区分(例如point既是一个graph中的一个类，也是main中的一个变量)  两个单词之间没有分隔(例如getweight应为get\_weight或者getWeight) |
| Code Formatting  (代码格式合理) (5%) | 5 |
| Review Comment | 代码格式合理 |
| Code Comments  (代码注释合格) (5%) | 5 |
| Review Comment | 代码注释合理 |
| Other Coding Style and efficiency (代码运行效率) (10%) | 8 |
| Review Comment | 运行效率合格  但是在计算MST的时候可以利用无向图的性质，内层的j循环不用到n，到i即可，这样可以减少一半的运算量 |
| OOP Design Style  (15%) | 7 |
| Review Comment | 尽量不要使用全局变量(以及为什么INF和n一个是define一个是const，这二者在这种用途下完全等价)  计算和输出应该独立，例如让computeMST有一个返回值  建议使用std::array代替原生数组 |
| Total Score (up to 100) | 87 |
| Overall Review Comments |  |

**NOTE:**

1. For coding styles including naming, formatting, code comments, etc., please refer to the Google C++ Style Guide. You may stick to your own coding style if you already have one, provided that your coding style is easy to read and understand by others.

(<http://google-styleguide.googlecode.com/svn/trunk/cppguide.xml>)

2. OOP design: easy for code reuse (代码复用); easy for extension and adaptability to future change for new user requirements (易于扩展，适应未来用户需求的改变). We will learn these OOP design features throughout this semester.

3. The reviewer (评阅人) is responsible for filling in the review form with both credits (分数) and detailed comments/suggestions (评价/建议) for further improvements (改进), and then returns the review form to the author of the code.

4. Finally, each student needs to submit the improved (改进后的) source code according to the comments, as well as a .doc or .pdf file including the returned review forms and statements on the revised code in reply to the reviewers’ comments.

5. Please comply with “**Rules for Submission** (see Lecture 1: Exercises)” when submitting your homework.