## Review Form

**Authors’s Name:涂轶翔 Author’s Student No.:2017011422**

**Reviewer’s Name:李晨昊 Reviewer’s Student No.: 2017011466 Date：5-14**

|  |  |
| --- | --- |
| **Makefile**  **(10%)** | **10** |
| **Review Comments** | 符合makefile规范 |
| **Compilation**  **(编译正确) (10%)** | 5 |
| **Review Comment** | 没有#include<cstdio>就使用了printf，导致编译错误  （可能是clang不够严格） |
| **Correctness of Results**  **(结果正确) (40%)** | 25 |
| **Review Comment** | 运行错误，没有得到结果  for (nextDirection = 0; nextDirection < 4; nextDirection++)  某次循环没有达到break的条件，从而在 nextDirection=4的时候结束循环，之后用下标4访问了X和Y数组，这时我的机器上读到Y[4]=1918985555，导致后面的myGrids[currentIndex].step彻底越界  （可能是clang不够严格） |
| **Naming Convention**  **(变量命名合理) (5%)** | 5 |
| **Review Comment** | 命名合理 |
| **Code Formatting**  **(代码格式合理) (5%)** | 5 |
| **Review Comment** | 格式合理 |
| **Code Comments**  **(代码注释合格) (5%)** | 5 |
| **Review Comment** | 注视合格 |
| **Other Coding Style and efficiency (代码运行效率) (10%)** | 9 |
| **Review Comment** | 似乎是把list当队列用了，建议使用std::queue，二者效率相差不小（std::queue是一个容器适配器，其模板参数可以提供std::deque或者std::list，stl的默认选择是前者，可见前者效率更高） |
| **OOP Design Style**  **(15%)** | 15 |
| **Review Comment** | 符合OOP规范 |
| **Total Score (up to 100)** | 79 |
| **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.