Week7 Revision

# Returned Form 1

## Review Form

**Reviewer’s Name: \_\_董又铭\_\_ Reviewer’s Student No.: \_\_2015011294\_\_ Date：\_\_04-21\_\_**

|  |  |
| --- | --- |
| Makefile  (10%) | 10 |
| Review Comments | 写得非常正确，写法十分新颖，作为一个Reviewer的我学到了一些新的makefile文件的写法，感觉受益匪浅！ |
| Compilation  (编译正确) (10%) | 10 |
| Review Comment | 能通过编译，而且没有warning，不管是在Windows下还是在Linux下，不管是g++还是vc++，都没有任何问题，体现出了强大的跨平台性能！ |
| Correctness of Results  (结果正确) (40%) | 40 |
| Review Comment | 答案显然是正确的，不管是样例数据，还是自己手造的坑爹数据，或者是随机数据，体现出了代码作者的强大的编写和Debug能力！ |
| Naming Convention  (变量命名合理) (5%) | 5 |
| Review Comment | 所有命名都能一眼看出是用来干什么事情的，可读性非常高，可以预见到如果将来这份代码被移植到别的地方时，都能完美契合其他的代码！ |
| Code Formatting  (代码格式合理) (5%) | 5 |
| Review Comment | 换行缩进风格统一，具有美感！ |
| Code Comments  (代码注释合格) (5%) | 5 |
| Review Comment | Problem1里面虽然缺乏注释，但是也可以根据命名来看懂每句话的意思；Problem2里面需要有注释的地方都有注释，阅读代码极其方便！ |
| Other Coding Style and efficiency (代码运行效率) (10%) | 10 |
| Review Comment | 肉眼看不到延迟，由此可见，运行速度远远高于屏幕刷新速度，这样的运行速度不再需要进行优化了！ |
| OOP Design Style  (15%) | 15 |
| Review Comment | 好 |
| Total Score (up to 100) | 100 |
| Overall Review Comments | 做得非常好，继续努力！ |

# Corresponding Revision 1

1. N/A

# Returned Form 2

## Review Form

**Reviewer’s Student No.: \_\_\_\_2015011249\_\_\_\_\_\_\_\_\_ Date：MM-DD**

|  |  |
| --- | --- |
| Makefile  (10%) | 10 |
| Review Comments | Correct |
| Compilation  (编译正确) (10%) | 10 |
| Review Comment | Successfully Compiled |
| Correctness of Results  (结果正确) (40%) | 40 |
| Review Comment | Correct Answer |
| Naming Convention  (变量命名合理) (5%) | 5 |
| Review Comment | Name is reasonable |
| Code Formatting  (代码格式合理) (5%) | 5 |
| Review Comment | Code format is reasonable |
| Code Comments  (代码注释合格) (5%) | 5 |
| Review Comment | Code comments are reasonable |
| Other Coding Style and efficiency (代码运行效率) (10%) | 10 |
| Review Comment | Well done |
| OOP Design Style  (15%) | 14 |
| Review Comment | Need some checks in the member functions of Matrix, such as if 2 matrixes can multiply, if the files are successfully open |
| Total Score (up to 100) | 99 |
| Overall Review Comments | A good job overall |

# Corresponding Revision 2

Throw exceptions for failing situations.

diff:

@@ **-1,10** **+1,14** @@

**#include <fstream>**

**#include <iostream>**

**+#include <exception>**

**+#include <stdexcept>**

**#include** "Matrix.h"

**void** Matrix**::**load**(const** std**::**string **&**filename**)**

**{**

std**::**ifstream fs**(**filename**.**c\_str**());**

**+** **if** **(!** fs**)**

**+** **throw** std**::**runtime\_error**(**"fail to load from " **+** filename**);**

fs **>>** row **>>** col**;**

data**.**resize**(**row **\*** col**);**

**for** **(int** i**=0;** i**<**row**\***col**;** i**++)**

@@ **-43,6** **+47,8** @@ **void** Matrix**::**display**()** **const**

Matrix Matrix**::**multiply**(const** Matrix **&**other**)** **const**

**{**

**+** **if** **(**col **!=** other**.**row**)**

**+** **throw** std**::**runtime\_error**(**"cannot multiply"**);**

Matrix ret**(**row**,** other**.**col**);**

**for** **(int** i**=0;** i**<**row**;** i**++)**

**for** **(int** j**=0;** j**<**other**.**col**;** j**++)**