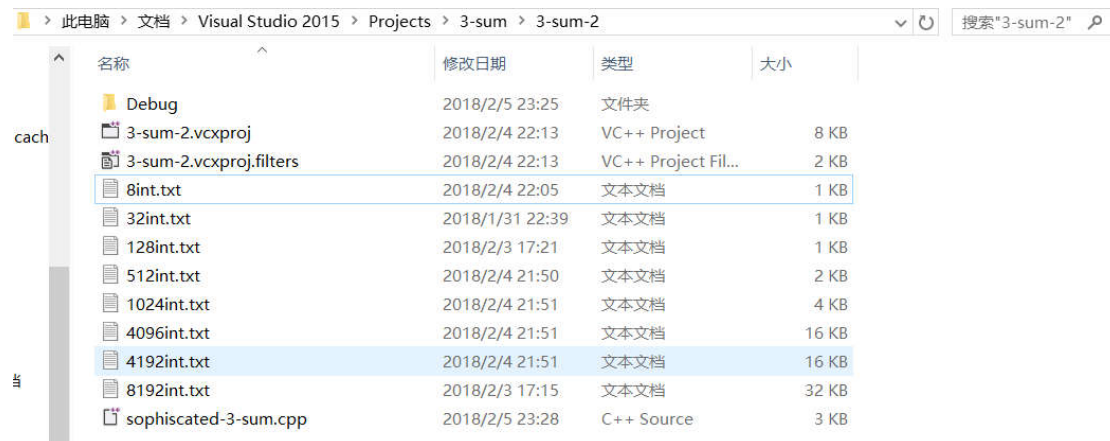# Instructions

IDE: VS2015 C++

Q1.naive-3-sum/sophiscated-3-sum:

Instructions: To process the program you need to change the file name in the "void load_number(int a[])" function. The test txt file can't be simply add to the resource file folder in the IDE, it MUST be manually put under the same catalog together with the debug folder in the project workspace. Also you need input the number of integer in the naive-3-sum/sophiscated-3-sum.cpp in your test file. Like this figure.

Because when using vector as a container it is too slow to load the data when testing the data file with 8192 int. So, I use the original array to reduce the run time. And the original array need you to set the size, sorry for inconvenient.

Q2.quick-find/quick-union/WeightQuickUnion:

For this program, first you need to create a project and add "quick-find.h"/"quick-union.h"/ "WeightQuickUnion.h" to head file folder,"quick-find.cpp"/"quick-union.cpp" /"WeightQuickUnion.cpp","main.cpp" these two files into the resource folder in VS 2015 IDE, to change the file name in the member function "void UF::load(vector<int>&a, vector<int>&b)" in the"quick-find.cpp"/"quick-union.cpp"/"WeightQuickUnion.cpp".

The test txt file can't be simply add to the resource file folder in the IDE, it MUST be manually put under the same catalog together with the debug folder in the project workspace.

Q4.Faster-3-sum:

Instructions: For this program you need to change the file name in the "void load_number(vector<int>&a);" function, The test txt file can't be simply add to the resource file folder in the IDE, it MUST be manually put under the same catalog together with the debug folder in the project workspace.

Q5.Farthest Pair:

For this program you need to in put the number of the test numbers. Then follow the instructions to add the test numbers one by one.