Exercise:

Write a C++ program that reads a text file with several lines representing the number of gold, silver, and bronze medals won by a certain country in some sporting competition. The format of each line is:

```
country_name gold_num silver_num bronze_num
```

Note that a single space separates each element within a line. The program must take from the command line the name of the input file. Once the content of the file has been read, the program must sort and print its content using the same sorting convention used by the Olympic committee: the country with the most gold medals goes first, if there is a tie then the silver medals are considered, if still tied then bronze medals are considered. Finally, if the amounts of gold, silver and bronze medals are the same between two or more countries, then they are arranged in alphabetical order.