Happy tickets.

There are two means to count up a happy tickets:

1. New York — if 6-digits number is printed on a bus ticket and the sum of the first three digits is equal to the sum of the last three, then this ticket is happy one.

2. Boston — if the sum of even digits is equal to the sum of odd ones, then this ticket is happy on

Task:

Ticket number is 6-digit number. Console application is required to be implemented, so that is can count up a number of happy tickets. To choose an algorithm of counting a text file is required. A path to such a file should be entered in console. Identifiers of algorithms are “NewYork” and “Boston” (that’s what should be entered).

After you entered all the required parameters, a program should print a number of happy tickets to the console.

Use profiling to measure and optimize performance of your application.