Problem : Bored in History of Magic

In order to keep themselves entertained during their History of Magic class with Professor Binns, students have begun trying to figure out how many days have passed since events in the past have occurred. To make it easier on themselves, they only consider events happening on or after January 1, 1900. They have also decided that it could be interesting to find out how many days it is until some day in the future, limiting that to December 31, 3500.

Your task is to create a program to do this calculation for you repeatedly. The input of the program will be two dates read in from a data file as numbers with the format of M D Y. For example February 12, 2006 is represented 2 12 2006. Also, the ending date should not be counted as a day in the count of days.

For example, the number of days between August 12 and August 13 is one. You can assume all dates given are valid.

Some useful information: April, June, and November all have 30 days. February has 28 days except for on leap years when it has 29 days. Leap years occur when the year is divisible by 4 and not divisible by 100, unless the year is divisible by 400. All other months have 31 days.

Input (magic.txt)

1 1 1983
1 2 1985
12 21 1999
1 2 3456

Output

732 days
531805 days