Waiting Long

Do you ever get tired of waiting for something to happen? The Gotta-Have-It Gadget Company thinks there is a market for a small device that can tell you how long you have been waiting. In its normal mode, it simply counts the minutes from start to stop. In the advanced mode, you can enter a start time and a stop time and it will tell you how many minutes have elapsed.

The Gotta-Have-It Gadget Company has hired you to program the advanced option. You are to write a program that will accept two times and determine how much time has transpired between them. Times will be entered in a 24-hour format. The first time will always be before the second time (but it may be larger - from 21:01 to 7:11 is 590 minutes). Your input will be the times in hours and minutes (HHMM - 21:01 would be 2101 for input). Your program should stop when the start time is 0. One minute after midnight would be represented as 1 (0 hours).

Sample Input Data: (waiting.txt)

2101
711
2359
1
1158
1159
0

Sample Output:
From 21:01 to 7:11 is 610 minutes.
From 23:59 to 0:1 is 2 minutes.
From 11:58 to 11:59 is 1 minute.
NOTE: Do not worry about the formatting of numeric output (leading/trailing spaces around numbers are acceptable). Leading zeroes are not required in times.

Judge Data Set 1 - Input

2101
711
2359
1
1158
1159
2359
2358
2
241
241
2
2258
2059
1430
1801
1
2
117
110
0

Judge Data Set 1 – Output (10 marks each)

From 21:1 to 7:11 is 610 minutes.
From 23:59 to 0:1 is 2 minutes.
From 11:58 to 11:59 is 1 minutes.
From 23:59 to 23:58 is 1439 minutes.
From 0:2 to 2:41 is 159 minutes.
From 2:41 to 0:2 is 1281 minutes.
From 22:58 to 20:59 is 1321 minutes.
From 14:30 to 18:1 is 211 minutes.
From 0:1 to 0:2 is 1 minutes.
From 1:17 to 1:10 is 1433 minutes.

Judge Data Set 2 - Input

1816
1618
711
2101
1440
2340
1949
0119
2359
1857
801
1931
0
5

Judge Data Set 2 – Output

From 18:16 to 16:18 is 1322 minutes.

From 7:11 to 21:1 is 830 minutes.

From 14:40 to 23:40 is 540 minutes.

From 19:49 to 1:19 is 330 minutes.

From 23:59 to 18:57 is 1138 minutes.

From 8:1 to 19:31 is 690 minutes.

(first and 2nd last answers 20 marks each, rest 15 marks each)