

# Clock Hands

The minute hand and hour hand love each other. The 'Second' hand is a spy who wants to keep track on how many times they pass over each other in a given interval on a day. Help the second hand.

## Input

First line contains the number of test cases  $t$ . Each test case has two lines representing the start time and end time respectively. The time would be in format (hh:mm). hh will be between 00 and 23, mm will be between 00 and 59. If the minute and hour hand are overlapping right at the start time (like at 12:00) then it would **not be counted**. ( $00:00 \leq \text{'start time'} < \text{'end time'} \leq 23:59$ )

## Output

For each test case print, on a separate line, the number of times they overlap each other.

## Example

### Input

```
5
00:00
03:00

00:00
00:10

06:00
12:00

11:59
12:01

00:00
12:00
```

### Output

```
2
0
6
1
11
```