

Count Fridays the 13th

Problem Statement

Some superstitious people believe that Friday the 13th is a day that is very unlucky.

However, Sergey does not agree with them. In order to prove this to people that nothing scary will happen, he wants to choose two dates and count the number of Friday the 13th's between them. If this number is reasonably large, he will be able to tell that it is just a regular day.

But now Sergey is quite busy, so he is unable to calculate the number of Fridays the 13th's between the specific dates. Could you write a program that will do it for him?

Input Format

The first line of input consists of a single integer T denoting the number of test cases. Then, there are T lines describing the test cases.

The first (and only) line of the test case contain six single space-separated integers $D1\ M1\ Y1\ D2\ M2\ Y2$, denoting two dates in the **DD MM YYYY** format both. It is guaranteed that they describe two existing dates and the first date is not later than the second one.

Constraints

$$1 \leq T \leq 10$$

$$1900 \leq Y1 \leq Y2 \leq 9999$$

$D1, M1, Y1$ describing a correct date

$D2, M2, Y2$ describing a correct date

The date, described by $D1, M1, Y1$ is not later than the date described by $D2, M2, Y2$.

Output Format

For each specified range of dates output the number of Fridays the 13th's on a separate line.

Sample Input

```
2
01 10 2000 20 10 2000
19 10 1995 11 07 2015
```

Sample Output

```
1
34
```

Explanation

- Sample case #1: There was a Friday the 13th in October of the year 2000.
- Sample case #2: There were 34 Friday the 13th's between the problemsetter's birthday and the day he set this problem.