

Problem C: Out of Town

Filename: *csmall, clarge*

Time Limit: *1 second*

Arup has been out of town or out of the office for many reasons this semester (Order of Pegasus Interviews, Programming Competitions, Family Vacation). He's gone so much, he can't figure out how many days he's actually been on campus! Write a program to help him figure it out!

For the purposes of this problem, the semester lasts 121 days and Arup is on campus every day he's not gone for one of the explicitly listed reasons. Also, each event for which Arup is gone will be contained entirely within a single month, and each event will be non-overlapping.

The Problem

Given a list of date ranges where Arup is gone as well as the assumed information above, calculate the number of days Arup is on campus.

The Input

The first line of input will consist of a single positive integer, c ($c \leq 10$), representing the number of input cases to process. The first line of each input case will contain a single positive integer, n ($n \leq 10$), representing the number of events for which Arup is gone. The following n lines will contain one event each. Each event will be specified as a month (either the string "Jan", "Feb", "Mar", or "Apr") followed by two integers, s and e , representing the start day and end day, inclusive within the month for which Arup is gone. Note that $s \leq e$, and both will be valid days for the specified month in 2020.

Partial Credit Input (60%)

The number of vacations/events Arup will take will be 1, so $n = 1$ for each input case.

The Output

For each input case, a single integer on a line by itself representing the number of days Arup is on campus for the semester.

Sample Input

```
2
1
Jan 17 21
2
Feb 19 23
Mar 13 18
```

Sample Output

```
116
110
```

Note: Sample Case 2 is only valid for the large input.