

# Annual leave calculator

In a large organisation, people need to keep track of annual leave. Employees will submit their leave requests, and these will be recorded. However, leave requests might overlap.

A leave request has the form

startday endday

where startday and endday represent days of the year, falling between 1 and 366. Start day is the first day of the leave period (so counts as leave). End day is the day the leave ends - that is, the first day back in work.

An employee will make any number of leave requests in a year, which might mistakenly overlap. At the end of the year you will need to calculate the total days leave for an employee based upon their requests.

Requests can come out-of-order

## Input

Input will be the number of leave requests, followed by the set of leave requests, one per line.

## Output

Output should be the total days leave requested for the employee in question

## Example

**Input:**

```
.  
3  
140 145  
120 123  
121 122
```

**Output:**

```
8
```