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Day 26: Nested Logic

 by [vatsalchanana](#)[Problem](#)[Submissions](#)[Leaderboard](#)[Discussions](#)[Editorial](#)[Tutorial](#)

Objective

Today's challenge puts your understanding of nested conditional statements to the test. You already have the knowledge to complete this challenge, but check out the [Tutorial](#) tab for a video on testing!

Task

Your local library needs your help! Given the expected and actual return dates for a library book, create a program that calculates the fine (if any). The fee structure is as follows:

1. If the book is returned on or before the expected return date, no fine will be charged (i.e.: `0`).
2. If the book is returned after the expected return *day* but still within the same calendar month and year as the expected return date, the fine is `15 × (actual day - expected day)`.
3. If the book is returned after the expected return *month* but still within the same calendar year as the expected return date, the fine is `500 × (actual month - expected month)`.

4. If the book is returned after the calendar *year* in which it was expected, there is a fixed fine of _____.

Input Format

The first line contains _____ space-separated integers denoting the respective *y*, _____, and *y* _____ on which the book was *actually* returned.

The second line contains _____ space-separated integers denoting the respective *y*, *m* _____, and *y* _____ *r* on which the book was *expected* to be returned (due date).

Constraints

- _____
- _____
- _____
- _____

Output Format

Print a single integer denoting the library fine for the book received as input.

Sample Input

```
9 6 2015
6 6 2015
```

Sample Output

```
45
```

Explanation

Given the following return dates:

Actual:

Expected:

Because `Y` , we know it is less than a year late.

Because , we know it's less than a month late.

Because , we know that it was returned late (but still within the same month and year).

Per the library's fee structure, we know that our fine will be . We then print the result of as our output.


Submissions:26361


Max Score:30

Difficulty: Easy

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Java 8

