Day of the year

Description

THIRTY DAYS HATH SEPTEMBER,
APRIL, JUNE, AND NOVEMBER
ALL THE REST HAVE 31—
EXCEPT FEBRUARY, WHICH HAS 28,
AND LEAP YEAR MAKES IT 29.

WAIT, WHICH MONTH WAS I LISTENING
FOR? OH RIGHT, OCTOBER.

DID I SAY "OCTOBER" IN THERE?
NOW I CAN'T REMEMBER.

30 DAYS HATH SEPTEMBER...

I GET STUCK IN THIS LOOP EVERY MONTH.

You want to know how many days there have been so far this year.
As a reminder (just in case you forgot the pneumonic), January, March, May, July, August,
October, and December have 31 days. April, June, September, and November have 30 days.
February has 28 days on non-leap years and 29 days on leap years.
A year is a leap year if:

The year is divisible by 4
 UNLESS the year is divisible by 100
  UNLESS the year is divisible by 400.

So 2000 and 2004 are leap years, but 2100 is not.

Input

A date in format MM/DD/YYYY.

Output

The day of the year (where 01/01/YYYY is day 1 of the year).

Examples

Input	Input	Input	Input
11/07/2015	04/20/1992	03/22/1624	01/23/1381
Output	**Output**	**Output**	**Output**
311	111	82	23

311   111   82   23