

I Flipped The Calendar...

Input file: *standard input*
Output file: *standard output*
Time limit: 2 seconds
Memory limit: 512 mebibytes

While flipping through the calendar, Nikolai wondered: how many rows are in the calendar for a specific year?

The calendar consists of 12 sheets, each corresponding to a month from January to December. Each sheet lists all the days of the respective month. The days on each sheet are arranged in rows by week: the days of one week are in one row, the days of different weeks are in different rows. In this calendar, the week starts on Monday.

For example, if a month has 31 days and the first day of the month is Sunday (as in January 2023), then there will be six rows on the calendar sheet for that month:

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Remember that in a leap year, February has 29 days, and in a non-leap year, it has 28 days. A year is considered a leap year if its number is divisible by 400 or divisible by 4 but not by 100. For example, 2000, 2004, and 2040 are leap years, while 1900, 1982, and 2039 are not.

Input

The first line contains the year number y ($1970 \leq y \leq 2037$).

Output

Output the number of rows in the calendar for the given year.

Example

<i>standard input</i>	<i>standard output</i>
2023	63