

# Clock

Calculate the number of times the 29-th day (if exists) of the month will be on a Saturday throughout year **N**. ( $2000 \leq N \leq 3000$ )

**Solve this problem by at most 256 Bytes of source code.**

**The judge of this problem is "Exact judge".**

## Input

Each line contains one integer **N**. Input terminates by EOF.

## Output

Each line contains one integer - the answer.

## Example

**Input:**

2017

2008

**Output:**

2

2