

## Problem B. Division

**Time limit** 1000 ms

**Mem limit** 262144 kB

Codeforces separates its users into 4 divisions by their rating:

- For Division 1:  $1900 \leq \text{rating}$
- For Division 2:  $1600 \leq \text{rating} \leq 1899$
- For Division 3:  $1400 \leq \text{rating} \leq 1599$
- For Division 4:  $\text{rating} \leq 1399$

Given a rating, print in which division the rating belongs.

### Input

The first line of the input contains an integer  $t$  ( $1 \leq t \leq 10^4$ ) — the number of testcases.

The description of each test consists of one line containing one integer rating ( $-5000 \leq \text{rating} \leq 5000$ ).

### Output

For each test case, output a single line containing the correct division in the format "Division  $X$ ", where  $X$  is an integer between 1 and 4 representing the division for the corresponding rating.

### Sample 1

Input	Output
7	Division 4
-789	Division 4
1299	Division 4
1300	Division 4
1399	Division 3
1400	Division 2
1679	Division 1
2300	

### Note

For test cases 1 — 4, the corresponding ratings are  $-789$ ,  $1299$ ,  $1300$ ,  $1399$ , so all of them are in division 4.

For the fifth test case, the corresponding rating is  $1400$ , so it is in division 3.

For the sixth test case, the corresponding rating is 1679, so it is in division 2.

For the seventh test case, the corresponding rating is 2300, so it is in division 1.