B - Time of the Year

Given the number of seconds elapsed since epoch [01-01-1970 00:00:00 Thursday], you need to find the current date, along with the day.  
Note: Do not use any inbuilt functions/libraries for your main logic.

**Input Format**

First line of input contains T - number of test cases. Its followed by T lines, each line contains the number of seconds elapsed since epoch.

**Constraints**

1 <= T <= 10000  
0 <= S <= 109

**Output Format**

For each test case, print the date in DD-MMM-YYYY format, followed by the day, separated by newline.

**Sample Input 0**

10

86399

86400

2592000

2678400

8639999

8640000

31535999

31536000

68169599

68169600

**Sample Output 0**

01-JAN-1970 Thursday

02-JAN-1970 Friday

31-JAN-1970 Saturday

01-FEB-1970 Sunday

10-APR-1970 Friday

11-APR-1970 Saturday

31-DEC-1970 Thursday

01-JAN-1971 Friday

28-FEB-1972 Monday

29-FEB-1972 Tuesday