

Statement

Solution

A particular month has 30 days, numbered from 1 to 30.  
Day 1 is a Monday, and the usual 7-day week is followed.  
So day 2 is Tuesday, day 3 is Wednesday, and so on.

Every Saturday and Sunday is a holiday.

There are  $N$  festival days, which are also holidays.

**Note** that it is possible for a festival day to occur on a Saturday or Sunday.

You are given the dates of the festivals. Determine the total number of holidays in this month.

Input Format

- The first line of input contains a single integer  $T$ , denoting the number of test cases. The description of  $T$  test cases follows.
- The first line of each test case contains an integer  $N$  denoting the number of festival days.
- The second line of each test case contains  $N$  **distinct** space-separated integers  $A_1, A_2, \dots, A_N$ , denoting the festival days. Note that the  $A_i$  are **not necessarily given in sorted order**.

Output Format

For each test case, output a new line containing the total number of holidays.

Constraints

- $1 \leq N \leq 30$
- $1 \leq A_i \leq 30$  and All the  $A_i$  are distinct

Sample 1:

Input	Output
3	9
2	10
5 7	8
3	
23 1 6	
1	
13	

Explanation:

**Test Case 1:** Days 6, 13, 20 and 27 are Saturdays, and days 7, 14, 21, 28 are Sundays. The festivals fall on day 5 and day 7, but day 7 is already a Sunday. This gives us 9 holidays in total — days 5, 6, 7, 13, 14, 20, 21, 27, 28.

**Test Case 2:** Days 6, 13, 20 and 27 are Saturdays, and days 7, 14, 21, 28 are Sundays. The festivals fall on day 1, day 6, and day 23. This gives us 10 holidays in total — days 1, 6, 7, 13, 14, 20, 21, 23, 27, 28.

**Test Case 3:** Days 6, 13, 20 and 27 are Saturdays, and days 7, 14, 21, 28 are Sundays. The only festival is on day 13, which is already a holiday. This gives us 8 holidays in total — days 6, 7, 13, 14, 20, 21, 27, 28.