



HOME TOP CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

A. Minutes Before the New Year

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

New Year is coming and you are excited to know how many minutes remain before the New Year. You know that currently the clock shows h hours and m minutes, where $0 \leq hh < 24$ and $0 \leq mm < 60$. We use 24-hour time format!

Your task is to find the number of minutes before the New Year. You know that New Year comes when the clock shows 0 hours and 0 minutes.

You have to answer t independent test cases.

Input

The first line of the input contains one integer t ($1 \leq t \leq 1439$) — the number of test cases.

The following t lines describe test cases. The i-th line contains the time as two integers h and m ($0 \le h < 24$, $0 \le m < 60$). It is guaranteed that this time is **not** a midnight, i.e. the following two conditions can't be met at the same time: h=0 and m=0. It is guaranteed that both h and m are given without leading zeros.

Output

For each test case, print the answer on it — the number of minutes before the New Year.

Example

input	Сору
5	
23 55	
23 0	
0 1	
4 20	
23 59	
output	Сору
5	
60	
1439	
1180	
1	

Codeforces Round #611 (Div. 3)

Finished

Practice

→ Virtual participation

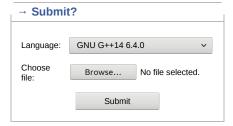
Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest



→ Problem tags math *800 No tag edit access

→ Contest materials	
Announcement (en)	×
• Tutorial	×



