

12 hour clock subtraction

Given two positive integers num1 and num2, subtract num2 from num1 on a 12 hour clock rather than a number line.

Input:

First line of the input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case consists of a single line containing two integers separated by a space .

Output:

Corresponding to each test case, print the difference in a new line.

Constraints:

$$1 \leq T \leq 100$$

$$0 \leq \text{num1} \leq 1000$$

$$0 \leq \text{num2} \leq 1000$$

Example:

Input

2

7 5

5 7

Output

2

-2