Blackjack

Chef is playing a variant of Blackjack, where 3 numbers are drawn and each number lies between 1 and 10 (with both 1 and 10 inclusive). Chef wins the game when the sum of these 3 numbers is exactly 21.

Given the first two numbers A and B, that have been drawn by Chef, what should be 3-rd number that should be drawn by the Chef in order to win the game?

Note that it is possible that Chef cannot win the game, no matter what is the 3-rd number. In such cases, report -1 as the answer.

Input Format

- The first line will contain an integer T - number of test cases. Then the test cases follow.
- The first and only line of each test case contains two integers A and B - the first and second number drawn by the Chef.

Output Format

For each testcase, output the 3-rd number that should be drawn by the Chef in order to win the game. Output -1 if it is not possible for the Chef to win the game.

Constraints

- $1 \leq T \leq 100$
- $1 \leq A, B \leq 10$

Sample 1:

Input	Output
3 1 10 1 5 4 9	10 -1 8

Explanation:

Test case 1: The first two numbers are 1 and 10. If the third number will be 10, the resulting sum will be $1 + 10 + 10 = 21$. So Chef will win the game if the third number is 10.

Test case 2: The first two numbers are 1 and 5. There is no number between 1 and 10, that can make the resulting sum 21. Hence, the answer will be -1 in this test case.