

Mr Toothless and His Number Theory

Shaad likes number theory very much .So his teacher Mr. Toothless Give him a task . he has given two numbers A and B he has to calculate number palindromic prime between A and B inclusive.

Input

Input starts with an integer **T** (≤ 15), denoting the number of test cases.

Each case contains a blank line two integers **A,B**($0 \leq A < B \leq 10^{10}$).

Output

For each case, print the expected result.

Sample Input

2

1 5

7 11

Output for Sample Input

3

2

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