**Prime Number**

Time Limit: 1 second

Mintu is very curious about learning different mathematical logic. so that, he can solve more programming problem easily. One day, his programming course teacher discussed about prime number and prime factor and gave a lab task to find out prime factor. He successfully did the program but during prime number calculating, he notices that there are many prime numbers with number of digits more than one. So, to make it more challenging he modifies the numbers with number of digits more than one to single digit numbers. To do this he decided to find the sum of the digits of the number till he gets a single digit number. But, after modifying he notes that some numbers became non-prime numbers. So, then he thinks to modify those numbers to a prime number by displaying the greatest prime number less than that number. Mintu is having problem executing this by himself. Help him to solve the problem.

**Input:**

The input will contain two lines, first line contains N (1 ≤ N ≤ 100), denoting the number of test cases and next line contains two separated integers a and b (1<=a, b<=10000), denoting the numbers between which prime numbers have to be found.

**Output:**

Output shows the single digit prime number. If sum of digits is 1, it changes to 2. And if there have no prime in a range, shows “There has no prime number from a to b.”

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| **Sample input:**  2  3 17  24 28 | **Sample Output:**  3 5 7 2 3 7  There has no prime number from 24 to 28. |

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