1. You are given two float number print the addition and multiplication of two number.
2. You are given a number n, print the number is +ve ,-ve or 0.
3. You are given two number x,y print the greater number.
4. You are given three number x,y,z. print the smallest number.
5. You are given a number n. print the value of factorial n!.

6. You are given a number n. Print the all even number upto n.
7. You are given n number n. Print the given number is prime or not prime.
8. You are given a number n. Print the reverse of a given number.
9. Print the below pattern.

```
1
1  3
1  3  5  7
1  3  5  7  9
```

10. Print the below pattern.

```
A
B B
C C C
D D D D
E E E E E
```

11.Print the bellow pattern .

```
*
   *
      *
          *
```

12.

Nobita scored good marks in his previous test, so his mom gave him x candies. Now, he wants to distribute the candies amongst his n friends(including himself).
He wants to distribute the candies equally for which he can either ask her mom for more candies or can return her extra candies.

He will do this in such a way that the number of candies that he takes or returns to his mom is minimum. Can you help him?

Input Format
First line contains an integer T-denoting the number of test cases.
Next T lines contain two space separated integer x and n.

Constraints
1 <= T <= 10^5
1 <=x,n <=10^9

Output Format
Print a single integer equal to minimum candies returned.

Sample Input
3
14 4
12 4
10 3
Sample Output
2
0
1
Explanation
In the 1st test case, Nobita can return 2 candies to his mom and then left with 12 candies that can be divided amongst his 4 friends(including him as well), each will get 3 candies each.
In 2nd test case , candies are already divisible by 4(Number of Friends). Hence the answer is 0.
In 3rd test case , he will return 1 candy and left with 9 candies that can be distributed. Hence the answer in this case is 1.