

Rearranging Digits

Given A and B, how many numbers between A and B (with no leading 0's) rearrange their digits when multiplied by 2 ?

Input :

The first line contains the number of test cases T. T lines follow, containing two integers A and B.

Output :

Output T lines, one for each test case containing the desired answer for the corresponding test case.

Sample Input :

```
2
1 100
499875921 499875921
```

Sample Output :

```
0
1
```

Constraints :

```
1 <= T <= 10000
1 <= A <= B <= 10000000000 (10^10)
```