

## 11361 Investigating Div-Sum Property

An integer is divisible by 3 if the sum of its digits is also divisible by 3. For example, 3702 is divisible by 3 and  $12(3+7+0+2)$  is also divisible by 3. This property also holds for the integer 9.

In this problem, we will investigate this property for other integers.

### Input

The first line of input is an integer  $T$  ( $T < 100$ ) that indicates the number of test cases. Each case is a line containing 3 positive integers  $A$ ,  $B$  and  $K$ .  $1 \leq A \leq B < 2^{31}$  and  $0 < K < 10000$ .

### Output

For each case, output the number of integers in the range  $[A, B]$  which is divisible by  $K$  and the sum of its digits is also divisible by  $K$ .

### Sample Input

```
3
1 20 1
1 20 2
1 1000 4
```

### Sample Output

```
20
5
64
```