Problem J
Print Ranges
Time limit: 2 seconds

Consider the Python program `print(*range(a, b, s))`. This prints all integers from `a` (inclusive) to `b` (exclusive) with step size `s` and a single space between consecutive values. That's all very true, but how many actual characters are printed? For example, the Python program `print(*range(1, 15, 1))` would output a total of 32 characters, namely

```
1 2 3 4 5 6 7 8 9 10 11 12 13 14
```

Notice that we count not only the individual digits printed, but the single spaces between the numbers as well.

Input

Input consists of multiple test cases. The first line contains a single integer t ($1 \leq t \leq 10\,000$) indicating the number of test cases. Each test case consists of a single line containing three integers a b s ($1 \leq a < b \leq 10^{17}, 1 \leq s \leq 10^{17}$), where a, b and s are as described above.

Output

For each test case output the total number of characters printed for the given values of a, b and s.

Sample Input 1	Sample Output 1
3 1 15 1 3 10 2 3141592653 5897932384 6264338	32 7 4850

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