Problem

You like the sound of rain only if the sound ranges from l to r units. Every cloud makes s unit of sound. Determine the minimum and the maximum number of clouds that can produce the sound in the provided range.

Input format

- First line: One integer T denoting the number of test cases
- Next T lines: Three integers l, r, and s denoting the provided range of the rain sound and the units of sound produced by each cloud

Output format

In T lines, print two space-separated integers that represent the minimum and the maximum number of the clouds that can produce the sound in the provided range.

Note: Print $-1 - 1$ if no answer is available.

Constraints

$1 \le T \le 10^5$
$1 \le l \le r \le 10^9$
$1 \le s \le 10^9$

Sample Input	Sample Output
3 5 10 3 7 12 4 50 60 1	2 3 2 3 50 60

Time Limit: 1

Memory Limit: 256

Source Limit: