X Jumps

Chef is currently standing at stair 0 and he wants to reach stair numbered X.

Chef can climb either Y steps or 1 step in one move.
Find the **minimum** number of moves required by him to reach **exactly** the stair numbered X.

Input Format

- The first line of input will contain a single integer T, denoting the number of test cases.
- Each test case consists of a single line of input containing two space separated integers X and Y denoting the number of stair Chef wants to reach and the number of stairs he can climb in one move.

Output Format

For each test case, output the **minimum** number of moves required by him to reach **exactly** the stair numbered X.

Constraints

- $1 \leq T \leq 500$
- $1 \leq X, Y \leq 100$

Sample 1:

Input	
Output	
4 4 2 8 3 3 4 2 1	2 4 3 2

Explanation:

Test case 1: Chef can make 2 moves and climb 2 steps in each move to reach stair numbered 4.

Test case 2: Chef can make a minimum of 4 moves. He can climb 3 steps in 2 of those moves and 1 step each in remaining 2 moves to reach stair numbered 8.

Test case 3: Chef can make 3 moves and climb 1 step in each move to reach stair numbered 3.

Test case 4: Chef can make 2 moves and climb 1 step in each move to reach stair numbered 2.