

Valentine is Coming

Valentine's Day is approaching and thus Chef wants to buy some chocolates for someone special.

Chef has a total of X rupees and one chocolate costs Y rupees. What is the **maximum** number of chocolates Chef can buy?

Input Format

- First line will contain T , the number of test cases. Then the test cases follow.
- Each test case contains a single line of input, two integers X, Y - the amount Chef has and the cost of one chocolate respectively.

Output Format

For each test case, output the **maximum** number of chocolates Chef can buy.

Constraints

- $1 \leq T \leq 1000$
- $1 \leq X, Y \leq 100$

Sample 1:

Input	
Output	
4	0
5 10	3
16 5	5
35 7	100
100 1	

Explanation:

Test case-1: Chef has 5 rupees but the cost of one chocolate is 10 rupees. Therefore Chef can not buy any chocolates.

Test case-2: Chef has 16 rupees and the cost of one chocolate is 5 rupees. Therefore Chef can buy at max 3 chocolates since buying 4 chocolates would cost 20 rupees.

Test case-3: Chef has 35 rupees and the cost of one chocolate is 7 rupees. Therefore Chef can buy at max 5 chocolates for 35 rupees.

Test case-4: Chef has 100 rupees and the cost of one chocolate is 1 rupee. Therefore Chef can buy at max 100 chocolates for 100 rupees.