Help Eshaan!

Eshaan and KP are sitting in Amul parlour. KP said that if Eshaan is able to answer her question correctly then only she will go for dinner and Eshaan wants to go to dinner with her at any cost so he has to answer it correctly.
He is weak in mathematics and helps him to answer this question. KP give him a 3 integer say M, S and T and you have to find the maximum possible value of **floor(Mx/S) - M * floor(x/S)** where x is the non negative number less than or equal to T. Here floor(t) denotes the greatest integer not greater than a real number t.

Constraints

- 1<=M<=10^6
- 1<=S<=10^12
- 1<=T<=10^12
- All value in inputs are integers

Input
Input is given from Standard Input in the following format
M S T

Output
Print the maximum possible value of **floor(Mx/S) - M * floor(x/S)** for a non-negative integer x, x not greater than T, T as an integer.

Sample Input
5 7 4
Sample output
2
Explanation
When x = 3 floor (M x / S) − M × floor (x / S) = floor (15 / 7) − 5 × floor (3 / 7) = 2 This is the maximum value possible.

Sample Input 2
11 10 9
Sample Output 2
9