Given an integer number n, return the difference between the product of its digits and the sum of its digits.

Example 1:

Input: n = 234

Output: 15

Explanation:

Product of digits = 2 * 3 * 4 = 24

Sum of digits = 2 + 3 + 4 = 9

Result = 24 - 9 = 15

Example 2:

Input: n = 4421

Output: 21

Explanation:

Product of digits = 4 * 4 * 2 * 1 = 32

Sum of digits = 4 + 4 + 2 + 1 = 11

Result = 32 - 11 = 21

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Write a program to print the sum of negative numbers, sum of positive even numbers and the sum of positive odd numbers from a list of numbers (N) entered by the user. The list terminates when the user enters a zero.

Note: Enter the input on run time (using scanner).

Example 1:

Input: Enter the numbers 1 -3 4 7 22 0

Output: sum of negative numbers = -3

Sum of positive even numbers = 26 (4 + 22)

Sum of positive odd numbers = 8 (1 + 7)

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Print the Perfect Numbers between the range m and n.

Perfect number: A number whose sum of factors (excluding the number itself) is equal to the number (ex: 28 = 1 + 2 + 4 + 7 + 14)

Example 1:

Input: m = 1 and n = 30

Output: 6, 28

Example 2:

Input: m = 100 and n = 500

Output: 121, 144, 169, 196, 225, 256, 289, 324, 361, 400, 441, 484

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Find the Greatest Common Divisor (GCD) of the give two numbers num1 and num2

Example 1: Input: num1 = 20 and num2 = 15 Output: 5 Explanation: 20 = 1, 2, 4, **5**, 10, 20 (factors of 20) 15 = 1, 3, **5** (factors of 5)
Example 2: Input: num1 = 52 and num2 = 10 Output: 2

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Take integer inputs till the user enters 0 and print the largest number from all.

Example 1: Input: 52 10 4 2 77 137 55 184 0 Output: 184
Example 2: Input: 77 22 14 142 177 10 0 Output: 177

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