

1. Check if the given number is multiple of at least two of its digits.
eg. 2456 is divisible by 2 and 4 so it is a correct number. 134 is divisible by only 1 so it is not correct number.
2. Write a program that takes an integer and displays the English name of that value.
e.g Num=123 Output: One Two Three.
3. Take a string as input from user and print vowels, consonants and numbers separately.
4. You are given an integer N. You need to print the series of all prime numbers till N.
5. Write a program to print all Armstrong numbers in a given range.

An Armstrong number is an n -digit number that is equal to the sum of the n^{th} powers of its digits. e.g. $153 = 1^3 + 5^3 + 3^3$.

Input Format.

First line contains lower limit L, second line contains upper limit U.

Output format:

List of all Armstrong numbers within the range L to U.

Example

Input:

100

1000

Output

153

370

371

407