**Task 1:**

Two numbers are amicable if the sum of the proper divisors of one equals the second *and* the sum of the proper divisors of the second number equals the first number.

Proper divisors: all divisors of a number except itself.

Write a java program to find out if they are amicable. If so, print “Yes”; else, “No”

Sample Input:

220

284

Sample Output:

Yes

**Task 2:**

Write a java program to find the power of a prime **P** in **n!.** Take **P** and **n** as input. Use the formula <= n

Sample Input:

2

6

Sample Output:

4

Explanation:

floor(6/2) + floor (6/2^2) + floor (6/2^3).......= 3+ 1 + 0 + 0 +.....= 4

Infact, 6! = 720 = 2^4\*3^2\*5