Problem F. Mixed Fractions

Source file name:	mixed.c, mixed.cpp, mixed.java
Input:	`standard`
Output:	`standard`

You are part of a team developing software to help students learn basic mathematics. You are to write one part of that software, which is to display possibly improper fractions as mixed fractions. A proper fraction is one where the numerator is less than the denominator; a mixed fraction is a whole number followed by a proper fraction. For example the improper fraction 27/12 is equivalent to the mixed fraction 2 3/12. You should not reduce the fraction (i.e. don't change 3/12 to 1/4).

Input

Input has one test case per line. Each test case contains two integers in the range $[1, 2^{31} - 1]$. The first number is the numerator and the second is the denominator. A line containing 0 0 will follow the last test case.

Output

For each test case, display the resulting mixed fraction as a whole number followed by a proper fraction, using whitespace to separate the output tokens

Example

Input	Output
27 12 2460000 98400 3 4000 0 0	2 3 / 12 25 0 / 98400 0 3 / 4000