



## Mixed Fractions

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  $2 \frac{3}{12}$ . 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.

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

*This problem was borrowed from the 2014 North American Qualifier Contest on September 27.*