

Problem F

Mixed Fractions

Problem ID: mixedfractionsTime limit: 2 secondsMemory limit: 1024 MB

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 1 Sample Output 1

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