Write a function to represent a fraction as an Egyptian fraction.
Java Difficulty: Expert Challenge XP: 70
Instructions
An Egyptian fraction is a finite sum of distinct unit fractions, where the numerator is always 1 . For example, the fraction 43/48 can be represented as:
$\frac{43}{48} = \frac{1}{2} + \frac{1}{3} + \frac{1}{16}$
Return all the fractions that make up the Egyptian fraction as a string.
Example
For this input
nr = 6 dr = 14
the result should be:
1/3 + 1/11 + 1/231
Reason: The fractions that make up the Egyptian Fraction for 6/14 are 1/3, 1/11, and 1/231.

Examining this challenge, it is not as trivial as examining the factors of 48.

I am speculating that upon performing 1 / n, it is subtracted from the source:

43/48 - 1/2(24/48) =19/48

19/48 - 1/3(16/48) = 3/48(1/16)

We now can stop since remainder has 1 in numerator ANSWER: $\frac{1}{2} + \frac{1}{3} + \frac{1}{16}$

I will try to use the same principles for 6/14 $\frac{1}{2}$ (7/14) is too big. (We would simply ascertain this performing 6/14 - 7/14 < 0)**1/3** is ok (6/14 - 1/3 > 0) = 18 - 14/42 = 4/42.4/42 is the remainder. $\frac{1}{3}$ is too big for $(4/42 - \frac{1}{4} < 0)$ 1/5 is too big $(4/42 - \frac{1}{5} < 0)$ 1/6 is too big $(4/42 - \frac{1}{6} < 0)$

1/7 is too big 1/8 is too big 1/9 is too big 1/10 is too big **1/11** is ok (4/42 - 1/11) = 44/462 - 42/462 = 2/462 = **1/231**

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I consider this to be a decent learning curve challenge. But it is not something I wish to code.

In terms of reaching limitations, it will arise from numerator and denominator sizes..