- 1. For each pair of values s and t below, use repeated division to find gcd(s,t) the greatest common divisor of s and t and then use the Euclidean Algorithm to solve the equation gcd(s,t) = xs + yt, where x and y are integers. In other words, solve the decanting problems for decanters of sizes s and t.
 - (a) s = 22 and t = 37
 - (b) s = 483 and t = 501
 - (c) s = 89 and t = 144
- 2. Suppose you have decanters of sizes 99 and 105. Find the least amount of liquid that can be measured and explain why you cannot do better.