CSCE4123 Assignment 4

Assignment tasks (50 points each):

- 1. Task problem https://www.spoj.com/problems/GDCOFTI/
 Note: should be straightforward using the Euclidean algorithm
- 2. Task problem https://www.spoj.com/problems/ARTHEVAL/
 - a. Hint: This is the simple expression evaluation tree. A stack (post order traversal) should solve it easily.
- 3. Task problem https://www.spoj.com/problems/AGGRCOW/
 - a. Hint: binary search in a (discrete) solution space from the minimum gap to the max gap between any two stalls.
 - b. To validate a solution with a cow distance of x, simply place one cow at the left most stall. Use a greedy algorithm to find where is the next stall you can place the next cow. Check if the barn can hold all cows.