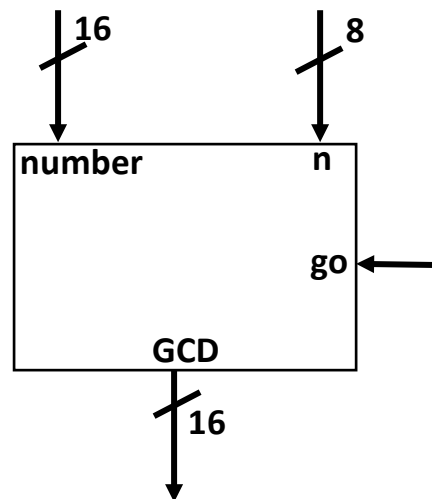


CSE 433 Embedded Systems Project 1

Due Date April 17, 2020

GCD of n numbers

Implement a single purpose processor as a digital circuit which will find gcd of n numbers. The circuit waits for a high go signal. Then, the numbers will be taken sequentially at the initial step. The GCD of the numbers will be computed and given as output.



BONUS: Find LCM of n numbers too (25pts).

- No FSM = no grade
- C code, State Diagram, State Transition Table, Boolean Expressions must be included in a report.
- Demo is a MUST.
- Cheating is at least punished by -100.
- It is NOT a group project.
- Design using QUARTUS Software and full structural design. You can use always only for flip flops. You cannot use assign statement either.