Contents

0.1   Residue systems

0.1.1   Least residue system modulo n

This is the set of numbers from 0 to $n - 1$.

0.1.2   Complete residue system

This a set of numbers none of which are congruent $\mod n$. That is, for no pair $\{a, b\}$ does $a \mod (n) = b mod(n)$

0.1.3   Reduced residue system

This is a complete residue system where all numbers are relatively prime to n.