1 Assessment

There will be five assignments worth 10% each.

There is a midterm on the 10th of July, and a final on the 21st of August.

2 List of topics


Primes in $\mathbb{Z}$. Mersenne primes. Fermat primes.

Congruences/modular arithmetic. Linear congruences. Chinese remainder theorem.


Quadratic residues and quadratic reciprocity. $N$-th power residues. Legendre symbol.