Chapter 31 Notes

Number Theory:

Size of an input != # of numbers

Multiplying two beta-bit integers by the ordinary method uses Theta(beta2) bit operations

We have integers and natural numbers

Divisibility and divisors

d | a means d divides a

Every integer divides 0

a = kd for some k

If a prime number is the modulo, we’ll get everything below it, no tossing it out