29/11/2020 OneNote

Integers	
25 January 2020	12:27

To convert from base 10 to base b where b > 1, repeatedly divide the number by b and store the remainder in the new base form. Digits are stored from right to left so the final remainder is on the left hand side of the new base b number.

Modulus

We say a and b are congruent modulo n when a – b is a multiple of n

Twos Complement

To convert from binary to the negative twos complement of a binary number, flip the bits and add one.

e.g. 0011 would change to 1100 + 1 = 1101 = -3