Hexadecimal
All 1's
All 1's unsigned
Turn off bits (leaving remainder untouched)
Turn on bits
Create a mask with 0's in the rightmost n bits
Create a mask with 0's in the leftmost n bits
Create a mask with 1's in the rightmost n bits
Create a mask with 1's in the leftmost n bits
Move a range field to the right end of a word
Set a bit
Clear a bit
Toggle a bit
Test a bit
Naive left shift with rotate
Safe left shift with rotate
Drop lowest set bit
Clear least significant bit

Swap	bits	İ	&	i
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Count number of set bits (Hamming	Weight	for bit	strings	or
popcount/population coun					

Sign of an int

Detect if integers have opposite signs

Absolute value of an int

Find the minimum

Find the maximum

Is power of two

Absolute value of an int

Round up to next power of 2

Properties of XOR

Identity -> a number XOR'ed with 0 returns the number

Bitwise negation

Inverting the identity

Associativity

Commutativity

Swap

Bitwise XOR equivalent

One's complement

