Logical Operations

AND

X X X X X X X X X X

AND 1 1 1 1 1 1 1 0

X X X X X X X X X

a' 0110 0001 XXXX XXXX 14, 0100 001 1101 2117 19, 06 10 0 010 18, 0100 0010 XXXX X XXX Convert bowercase 1001 y' 0111 ASCII 20 1001 uppercase 1010 7 0717 ASCI) 1010 7'0701

U

Convert appearase ASCII letter to lower case ASCII Wetter or oo  $\times$   $\times$   $\times$   $\times$ 0000 E MASIL Convert an unagred digit og to ASCII characters  $\times \times \times \chi$ 0000

OR 0011 00000

Change to MSB (Take the complement of the MSB)  $\times \times \times \times$ XXXX