## Addition

Rules of binary addition

Example unsigned binary integer

#### Example 01

0000			
0101			
0101			

### Example 02

1000 0101			
1101			

### Example 03

11011000 01010110 -----100101110

# Subtraction

Subtraction rules:

Examples of signed binary subtractions

Example 01

0101 -0000 -----0101

Example 02

0111

Addition and subtraction in fixed point numbers

-0101  0010			
Example 03			
01010110 -11011000  10000010			

Interpreting number is negative or positive

- Observe the sign bit (MSB)
- If '0', the number is positive
- If '1', the number is negative