Sef 01

Ol.
$$(0011101110011010)_{Ex3}$$

$$\frac{-3}{0} \frac{-3}{8} \frac{-3}{6} \frac{-3}{7}$$

$$\Rightarrow (0867)_{10}$$

121

$$0?. \quad 55 - (-16) = 55 + 16$$

$$+55 = (0011 0111)_{25}$$

$$+16 = (0001 0000)_{25}$$

$$(0100 0111)_{25}$$

We are adding 2 positive numbers and the answer is also positive.

So, no overflow.

01.
$$(010111001001011)_{Ex-5}$$
5 12 9 11
$$\frac{-5}{0} \frac{-5}{7} \frac{-5}{4} \frac{-5}{6}$$

03.

$$07. \quad 25 - (-11) = 25 + 11$$

$$+ 25 = (011001)_{25}$$

$$+ 11 = (001011)_{25}$$

$$(100100)_{25}$$

We are adding 2 positive numbers but the answer is negative. So, overflow exists.