

Datos

$$N_1 = (100)_{10} = (01100100)_2$$

$$N_2 = (120)_{10} = (01111000)_2$$

$$N_3 = (-63)_{10} = (11000001)_2$$

$$N_4 = (-56)_{10} = (11001000)_2$$

$$N_5 = (-91)_{10} = (10100101)_2$$

1) $S_1 = N_1 + N_2$

$$N_1 + N_2 = 01100100 + 01111000 = 10011100 = S_1$$

$$CF = 0$$

$$OF = 1$$

2) $S_2 = N_3 + N_4$

$$N_3 + N_4 = 11000001 + 11001000 = 10001001 = S_2$$

$$CF = 1$$

$$OF = 0$$

3) $S_3 = N_3 + N_5$

$$N_3 + N_5 = 11000001 + 10100101 = 01100110 = S_3$$

$$CF = 1$$

$$OF = 1$$

4) $S_4 = N_2 - N_4$

$$N_2 - N_4 = 01111000 - 11001000 = 10110000 = S_4$$

$$CF = 1$$

$$OF = 1$$

5) $S_5 = N_5 - N_2$

$$N_5 - N_2 = 10100101 - 01111000 = 00101101 = S_5$$

$$CF = 0$$

$$OF = 1$$