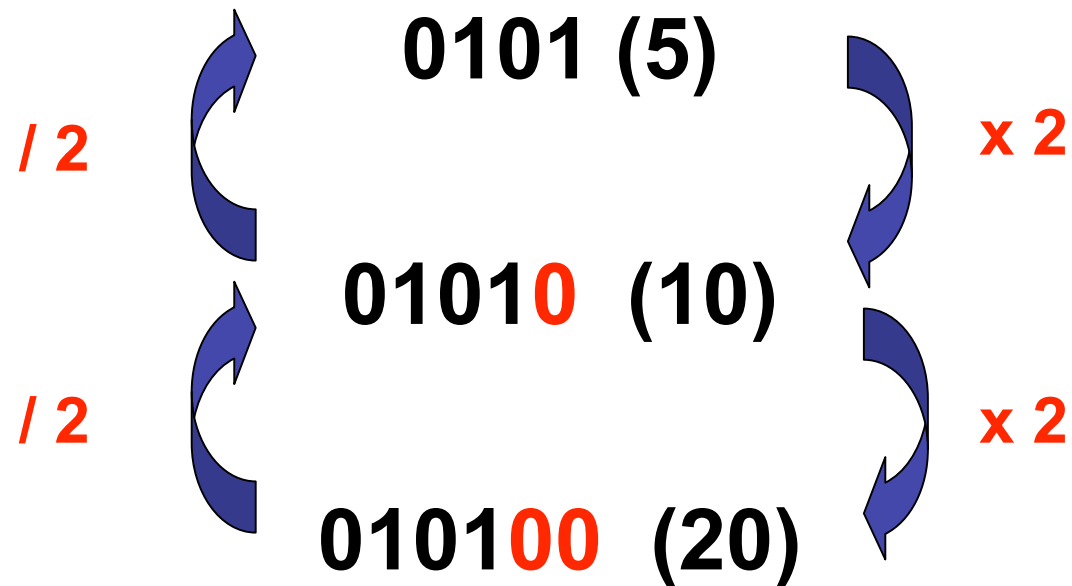
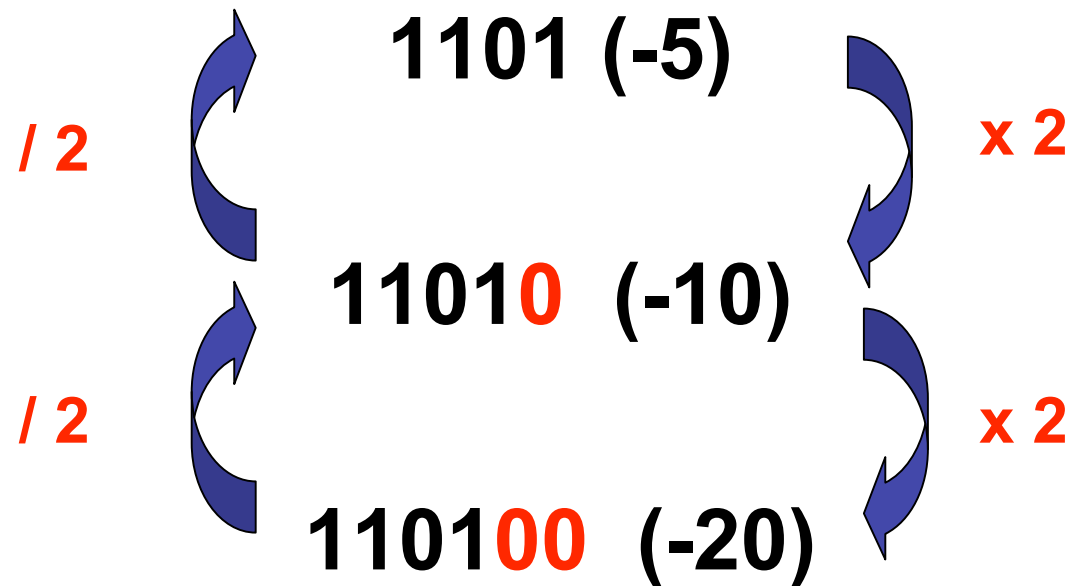


Producto/División 2^n Binario

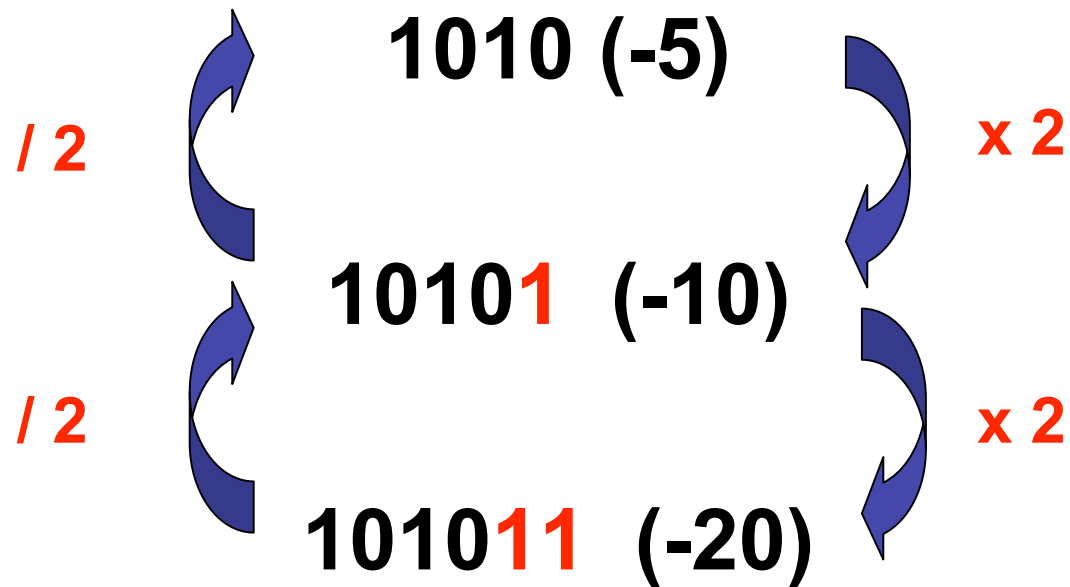


Os positivos en SM, C1 e C2 son igual que en binario

Producto/División 2^n Signo-Magnitude

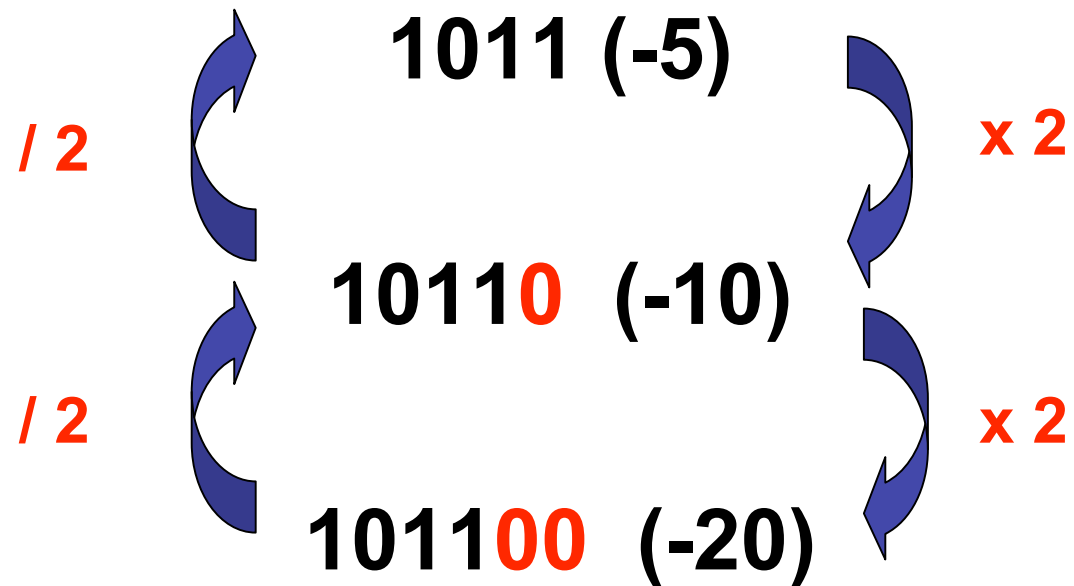


Producto/División 2^n Complemento a 1



Os negativos en C1 son a excepción á regra xeral

Producto/División 2^n Complemento a 2



Extensión de Signo

Signo-Magnitude

1101 (-5)

4 bits



10101 (-5)

5 bits



100101 (-5)

6 bits

Extensión de Signo Complemento a 1

1010 (-5) 4 bits

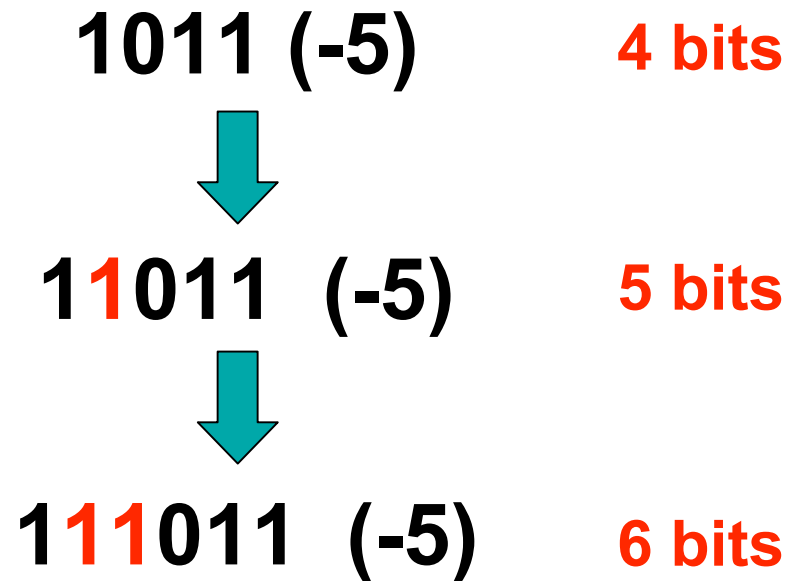


11010 (-5) 5 bits



111010 (-5) 6 bits

Extensión de Signo Complemento a 2



Overflow

Complemento a 1

SIGNOS IGUAIS

$$\begin{array}{r} 0101 \quad (5) \\ + 0110 \quad (6) \\ \hline 01011 \quad (-4) \\ 0 \\ \hline 01011 \quad (-4) \end{array}$$

HAI OVERFLOW SE O SIGNO DO RESULTADO É DISTINTO

Overflow

Complemento a 1

SIGNOS IGUAIS

$$\begin{array}{r} 1010 \quad (-5) \\ + 1001 \quad (-6) \\ \hline 1\ 0011 \quad (3) \\ 1 \\ \hline 0\ 0100 \quad (4) \end{array}$$

HAI OVERFLOW SE O SIGNO DO RESULTADO É DISTINTO

Overflow

Complemento a 1

**SIGNOS
DISTINTOS**

$$\begin{array}{r} 1010 \quad (-5) \\ + 0110 \quad (6) \\ \hline 10000 \quad (0) \\ 1 \\ \hline 00001 \quad (1) \end{array}$$

NUNCA HAI OVERFLOW

Overflow

Complemento a 2

**SIGNOS
IGUAIS**

$$\begin{array}{r} 0101 \quad (5) \\ + 0110 \quad (6) \\ \hline 01011 \quad (-5) \end{array}$$

**HAI OVERFLOW SE O SIGNO DO
RESULTADO É DISTINTO**

Overflow

Complemento a 2

**SIGNOS
IGUAIS**

$$\begin{array}{r} 1011 \quad (-5) \\ + 1010 \quad (-6) \\ \hline 1\ 0101 \quad (5) \end{array}$$

**HAI OVERFLOW SE O SIGNO DO
RESULTADO É DISTINTO**

Overflow

Complemento a 2

**SIGNOS
DISTINTOS**

$$\begin{array}{r} 1011 \quad (-5) \\ + 0110 \quad (6) \\ \hline 10001 \quad (1) \end{array}$$

NUNCA HAI OVERFLOW