

sistema	signo	codificación	rango	valor
binario puro	—	$BIN(R, n, q)$	$[0, 2^{n-q} - 2^{-q}]$	$\frac{1}{2^q} \sum_{i=0}^{n-1} d_i \cdot 2^i$
signo-magnitud	$R \geq 0$ $R < 0$	$s = '0'$ $BIN(R , n-1, q)$ $s = '1'$	$[-(2^{n-q-1} - 2^{-q}),$ $2^{n-q-1} - 2^{-q}]$	$\frac{(-1)^s}{2^q} \sum_{i=0}^{n-2} d_i \cdot 2^i$
complemento a 2	$R \geq 0$ $R < 0$	$BIN(R, n, q)$ $BIN(2^{n-q} - R , n, q)$	$[-2^{n-q-1},$ $2^{n-q-1} - 2^{-q}]$	$\frac{1}{2^q} \sum_{i=0}^{n-2} d_i \cdot 2^i - d_{n-1} \cdot 2^{n-1}$
complemento a 1	$R \geq 0$ $R < 0$	$BIN(R, n, q)$ $BIN(2^{n-q} - 2^{-q} - R , n, q)$	$[-(2^{n-q-1} - 2^{-q}),$ $2^{n-q-1} - 2^{-q}]$	$\frac{1}{2^q} \sum_{i=0}^{n-2} d_i \cdot 2^i - d_{n-1} \cdot 2^{n-1} + d_{n-1}$
exceso a 2^{n-1}	$R \geq 0$ $R < 0$	$BIN(2^{n-q-1} + R, n, q)$	$[-2^{n-q-1},$ $2^{n-q-1} - 2^{-q}]$	$\frac{1}{2^q} \sum_{i=0}^{n-2} d_i \cdot 2^i - \bar{d}_{n-1} \cdot 2^{n-1}$



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