

$$N = \sum_{i=0}^{l-1} c_i b^i$$

$b = 2$   
 $l = \text{numero di bit}$

0,55	1
0,1	0
0,2	0
0,4	0
0,3	0
0,6	1
0,2	0

0,100001...

1. Abbastanza precisa
2. Periodica
3. 0

$\mathbb{Z}$

a	b	+	*
0	0	0	0
0	1	1	0
1	0	1	0
1	1	10	1

MSB  
 $b-1$  Least Value

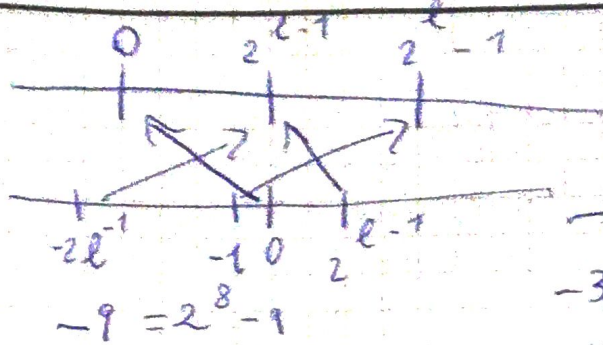
$1+1 \Rightarrow \text{Overflow}$   
 $0000 - 1111$   
 $\lfloor 2^{b-1} \text{ to } 2^{b-1}-1 \rfloor$

1111 + ~~1~~  $\mathbb{Z}$

$l = 5$   
 MSB 1 0 1 1 0 LSB  
 16 8 4 2 1  
 $16 + 4 + 2$

$A = 10110 = 16_{16}$   
 $B = 01111 = F_{16}$

2	2	0
1	1	1
5	1	
2	0	
1	1	
0		10110



$$\begin{array}{rrrr} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 0 \end{array} \begin{array}{r} -1 \\ -2 \end{array}$$

$$\begin{array}{l} \rightarrow x \rightarrow 2^l - |x| \\ -3 \quad -7 \quad 16 \quad -3 \\ 13 \end{array}$$

$$\begin{array}{r} 1001 \\ 0110 + \\ \hline 1111 \end{array}$$

$$\begin{array}{r} 1101 \\ +x \rightarrow |x| \end{array}$$

$$c = b - 1 - l$$

$$1 \rightarrow 0$$

$$b = 2$$

$$0 \rightarrow 1$$

$$\begin{array}{r} 00001001 \\ 11110110 + \\ \hline 11111111 \end{array}$$

$$53$$

$$\text{MSB} = 0$$

$$011001010$$

$$00110110$$

$$\begin{array}{l} x \\ \text{MSB} = 1 \end{array}$$

$$\bar{x} + 1 +$$

$$\begin{array}{r} -4 \quad -3 \quad -2 \quad -1 \quad 0 \\ 2^l \quad 2^{l-1} \quad 2^{l-2} \quad 2^{l-3} \quad 2^{l-4} \end{array}$$

$$\sum_{i=2^0}^l c_i b^i + c_{l-1} b^{l-1} +$$