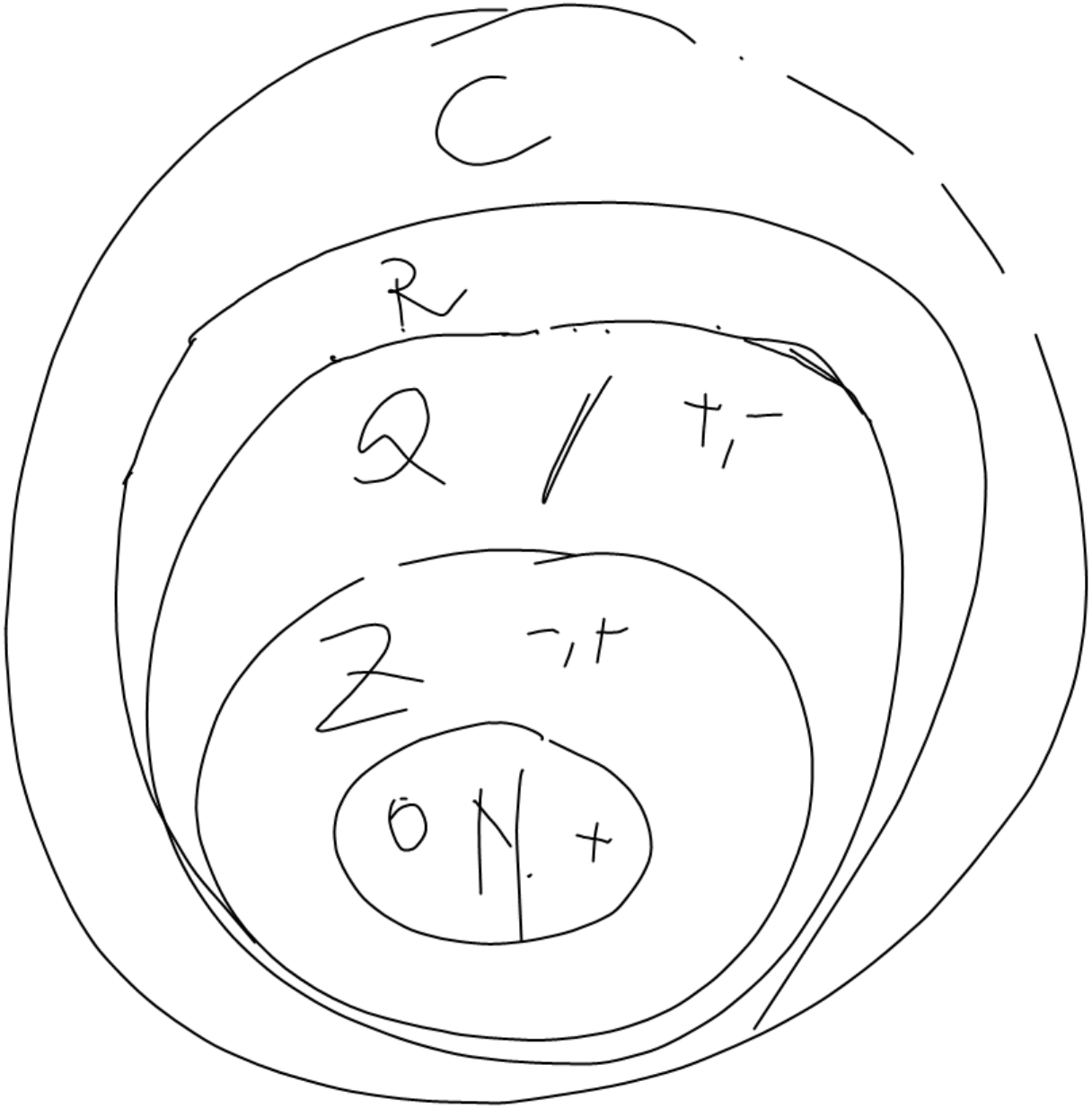
LUN MAR MERC GIO V S D
000 001 011 010 100 101 111

$2^3 = 8$ 3 8 bit = 1 byte = 256
110

5 ~~PRS~~ SUFF P B O
000 001 011 010 100

001 2^{10} 1024 KB

KB 2^{10} 1024
MB 2^{20}
GB 2^{30}
$2^{40} = 1 GB \cdot 1024$


C
R
Q
+,-
Z
-,+
0
N
+

$$3\,(129)_{10} = 1\times 10^2 + 2\cdot 10^1 + 9\cdot 10^0$$

$$100 + 20 + 9 = 129$$

$$N = a_{k-1}\cdot 10^{k-1} + a_{k-2}\,10^{k-2} + \dots + a_1 k^1 + a_0 k^0$$

$$= 1\cdot a\,10^{3-1} = \sum_{i=0}^{k-1} a_i \times 10^i$$

a_i: $0,9$

$\{0,1\}$ $B=2$

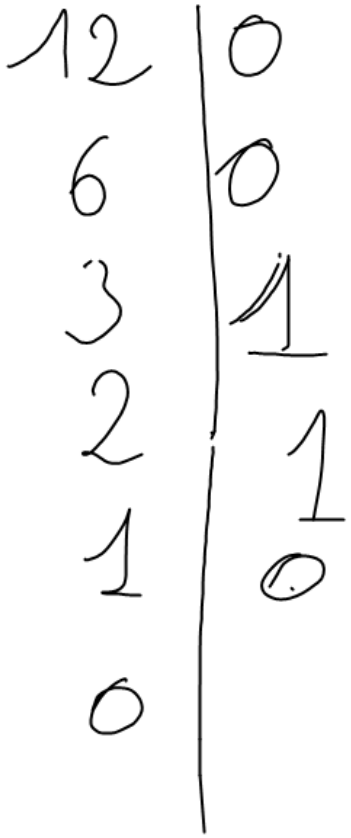
$$N = a_{k-1} \times 2^{k-1} + a_{k-2} \times 2^{k-2} + \dots + a_1 \times 2^1 + a_0 \times 2^0 =$$

$$= \sum_{i=0}^{k-1} a_i \times 2^i$$

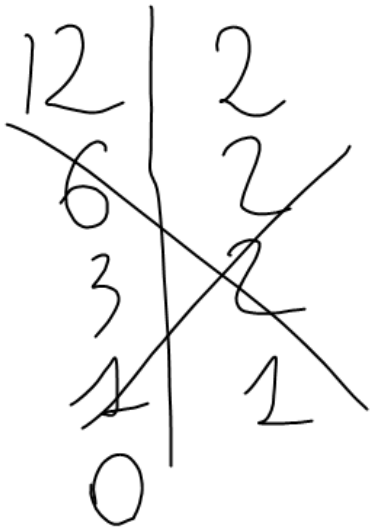
$k=4$ $\quad 1101$

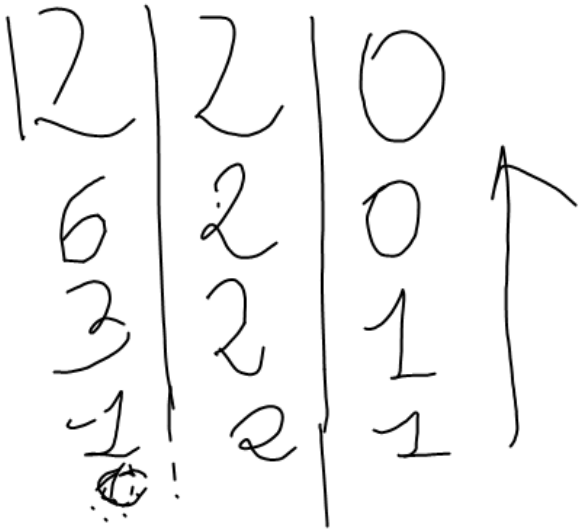
SOMMATORIA

$$1101_2 = 1 + 2^3 + 1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0$$



4
8





$$1101\,0010 = 0\cdot 2^0 + 1\cdot 2^1 + 0\cdot 2^2 + 0\cdot 2^3 + 1\cdot 2^4 + 0\cdot 2^5 + 1\cdot 2^6 + 1\cdot 2^7 =$$

$$0 + 2 + 0 + 0 + 16 + 0 + 64 + 128$$

$$\begin{array}{r} 146 + \\ 64 = \\ \hline 210 \end{array}$$