

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 ~~110~~ SUFF D B 0
 000 001 011 100 100

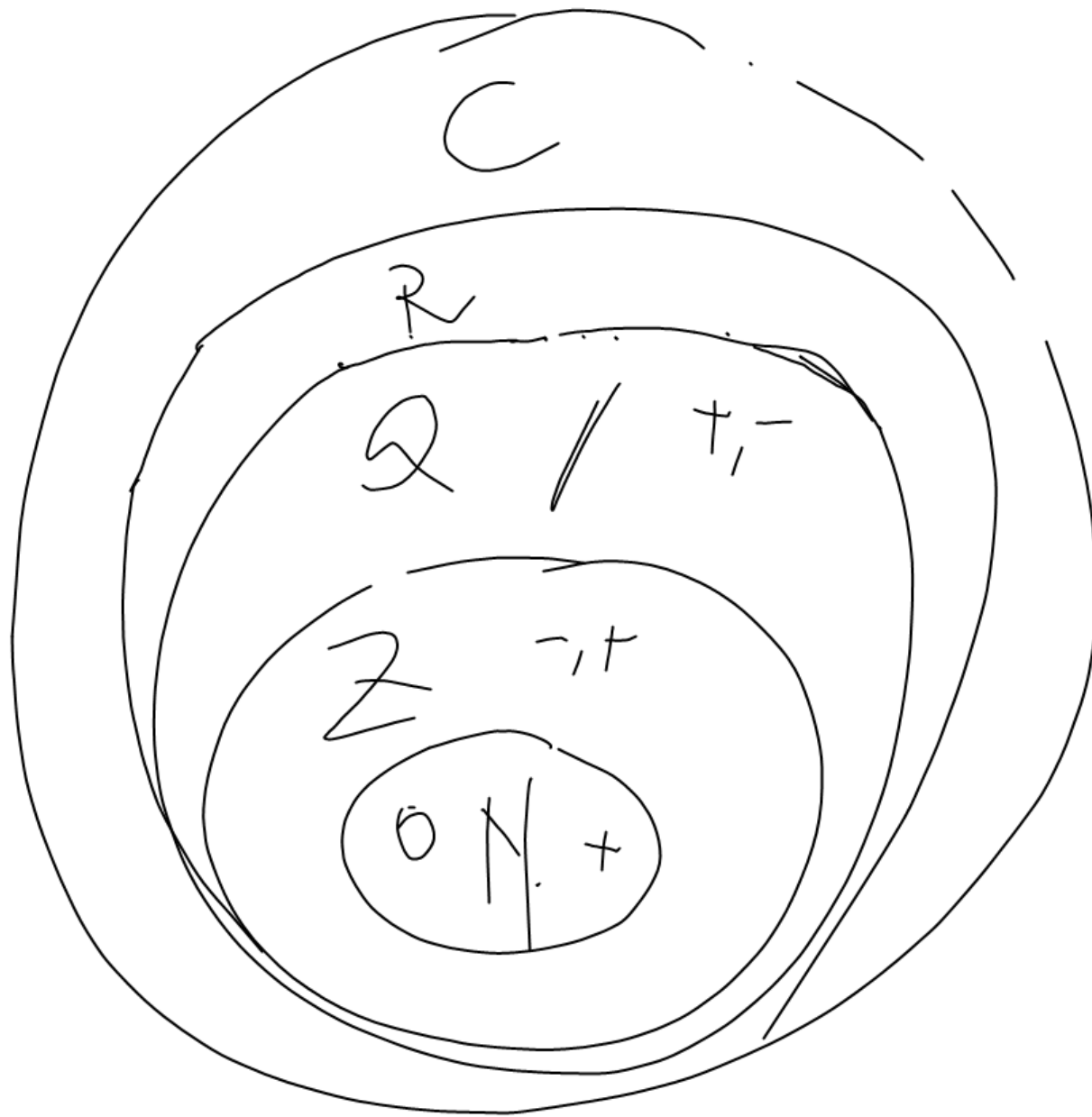
001
 2^{10} 1024 KB

KB 2^{10} 1024

MB 2^{20}

GB 2^{30}

2^{40} = 1GB · 1024



$$\begin{array}{l}
 3 \\
 Y
 \end{array}
 \quad
 \textcircled{129}
 =
 \underbrace{1 \times 10^2}_{100}
 +
 \underbrace{2 \cdot 10^1}_{20}
 +
 \underbrace{9 \cdot 10^0}_9
 = 129$$

$$\begin{aligned}
 N &= a_{k-1} \cdot 10^{k-1} + a_{k-2} \cdot 10^{k-2} + \dots + a_1 \cdot 10^1 + a_0 \cdot 10^0 \\
 &= 1 \cdot \underbrace{a}_{10^2} = \sum_{i=0}^{k-1} a_i \times \textcircled{10^i} \\
 &\quad \quad \quad \uparrow \\
 &\quad \quad \quad 0, 9
 \end{aligned}$$

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

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

$$k=4 \quad = \sum_{i=0}^{k-1} a_i \times 2^i \quad ||0||$$

SOMMATORIA

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

$$\begin{array}{c|c} 12 & 0 \\ 6 & 0 \\ 3 & 1 \\ 2 & 1 \\ 1 & 0 \\ 0 & \end{array}$$

4
8

$$\begin{array}{c|c} 12 & 2 \\ \cancel{6} & \cancel{2} \\ 3 & \cancel{2} \\ 1 & 1 \\ 0 & \end{array}$$

$$\begin{array}{c|c|c} 12 & 2 & 0 \\ \cancel{6} & \cancel{2} & 0 \\ 3 & \cancel{2} & 1 \\ 1 & \cancel{2} & 1 \\ \cancel{0} & & \end{array} \uparrow$$

$$11010010 = 0 \cdot 2^0 + 0 \cdot 2^1 + 0 \cdot 2^2 + 0 \cdot 2^3 + 1 \cdot 2^4 + 0 \cdot 2^5 + 1 \cdot 2^6 + 1 \cdot 2^7 =$$

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

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

