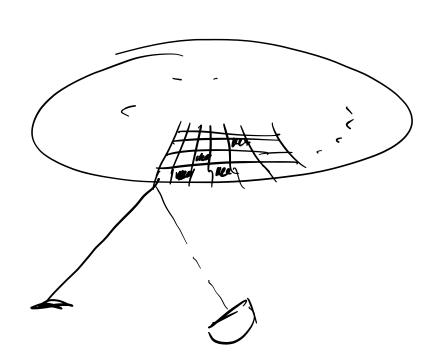
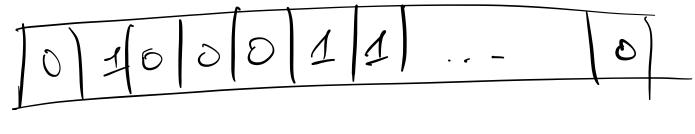
MEMORIE DIGITALI -BIT

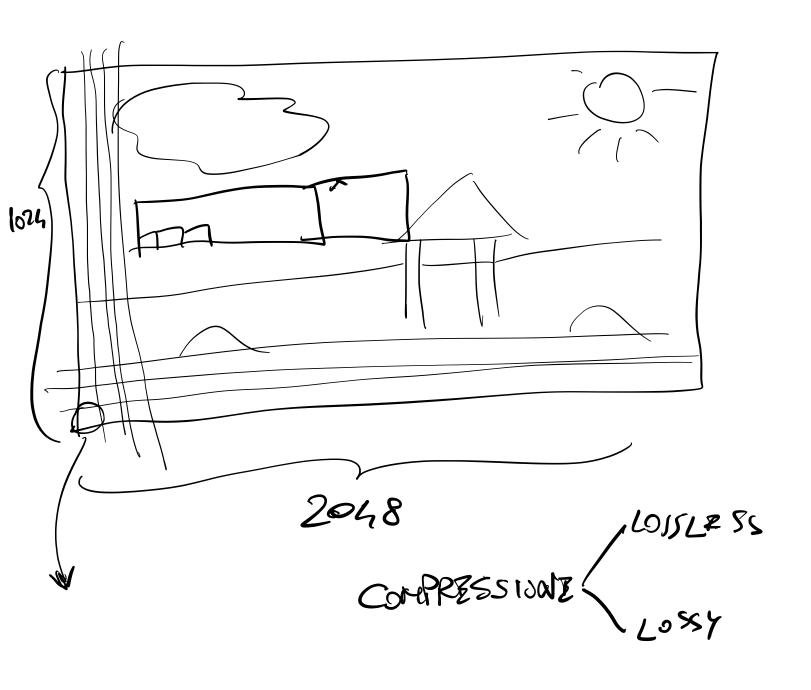




BYTE INDIRIZZO 01000111 00010100 000000 1 KB 10110110 1023

B BYTE

$$2^{10} = 1024 \text{ B}$$
 $2^{20} = 1048576 \text{ B}$
 $2^{30} = 1073741824 \text{ B}$
 $2^{40} = 1099511627776 \text{ B}$

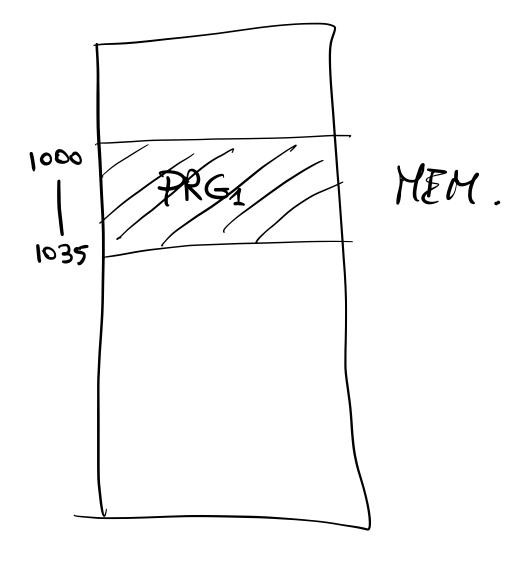


1023 1011 0110 130

VON NEUMANN MACCHINA DI CPU PER, ALU MEM **3** 29 IR DATI COMNDI S(I)PC = PROGRAM COUNTER

PC = PROGRAM COUNTER IR = INSTRUCTION REGISTER (*) = REGISTRI ORDINARI

\$2,2000(\$0) Qw 1000: 43, \$0,\$0 a gol 1004: \$4,\$3,\$0 1008: R-B 2 dol \$4,\$4,\$9 1012: #2-542 mult \$5,\$4,\$2 1016: \$42\$2 5lt \$5, \$0, +8-1020: 50 beg \$3,\$3,+1 त्रविष्ट 1024: 1008 ∂ 1028: \$3,3000 (\$0) 5W 1032: \$0 \$1 \$2 \$3 \$4 \$ 5



1) FETCH 2) DE COBE 3) EXE CUTE

\$2,2000 (\$0) Lw carità il contenuto LAD WORD olella 2000 nel (ocazione registro \$2 add(i) xry, Z 8+6 -X x,4,2 x<-y*2 X, y, ZTHAN SET IF LESS se y < 2 $X = \begin{cases} 1 \\ 0 \end{cases}$ 214 X\A'S Ped EQUAL BRANCH

 $(2 \qquad \forall x = V)$

PC = PC altriveti x Junp PC=X \$2,2000 (\$0) Sw STORE WORD Scrivi \$2 nella (ors2'one 2000