Memoria Virtuale 4MB

Tabella delle pagine ha 2^{13} voci

$|\#\text{frame}| = 8$ bit

RAM = ?

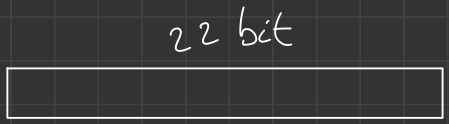
SQL 1

OSS (1)

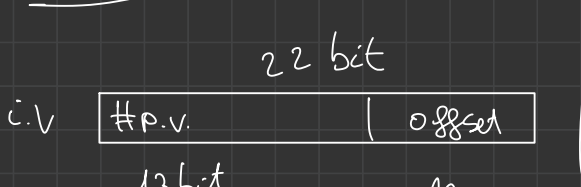
$4\,MB = 2^{22}$ byte SIA $m = 22$

QUINDI

indirizzo virtuale

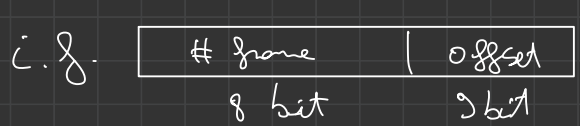


OSS (2)



$\Longrightarrow m = 9$ bit

OSS 3



$\Longrightarrow$ i.f. di 17 bit

QUINDI

2^{17} byte = 128 KByte RAM

$$\frac{4MB}{2^{13}} = \frac{2^{22}}{2^{13}} = 2^9$$ ← DIMENSIONE PAGINA

$$2^8 \cdot 2^9 = 2^{17}$$

SOL 2

PER OGNI SLOT DELLA PAGINA MOLTIPLICO PER LA SUA DIMENSIONE OTTENGO COSÍ LA DIMENSIONE DELLA RAM.

indirizzo virtuale 1 GB

P.V = 22 bit

indirizzo fisico = 20 bit

frame = ?

OSS

$1\,GB = 2^{30}$ byte