


Spazio virtuale $4 \text{ GB} = 2^2 \text{ GB} = 2^2 \cdot 2^{30} \text{ B}$
 pagine $4 \text{ KB} = 2^2 \cdot 2^8 \text{ B} = 2^{2+8} \text{ B} = 2^{10} \text{ B}$
 Indirizzo fisico 30 bit \rightarrow spazio fisico 2^{30} B


pagine = $\frac{2^{32}}{2^{12}} = 2^{20}$

frame = $\frac{2^{30}}{2^{12}} = 2^{18}$

$\% = \frac{2^{18}}{2^{20}} = \frac{1}{2^2} = \frac{1}{4} = 25\%$

entry tab page 22 bit n_{pag} 

clum pagina 8 KBy $= 2^2 \cdot 2^0 \text{ By} = 2^3 \text{ By}$

mehr. fisico 

spazio mehr fisico $= 2^{35} \text{ By} =$

$= 2^5 \cdot 2^{30} \text{ By} =$

$= 32 \text{ GBy}$

under virt 30 bit
 drum pag 1 KBy
 drum riga 24 bit

$\# \text{ pag} = 3 \text{ By}$


$1 \cdot 2^{10} = 2^{10} \text{ By}$

und virt

30 bit

$\# \text{ pagine} = 2^{20} = \# \text{ righe}$

drum tab pag = $2^{20} \cdot 3 \text{ By} = 3 \text{ TB}$

spazio ind. fisica 64 GB 
dim. pag. 8 KB
dim. riga tab pag. 48 bit = 6 B
tab pag. invertita
$$\# \text{ frame} = \frac{64 \text{ GB}}{8 \text{ KB}} = \frac{2^6 \cdot 2^{30}}{2^3 \cdot 2^{10}} = \frac{2^{26}}{2^{13}} = 2^{13}$$

$$\text{dim. tab pag. mv} = 2^{23} \cdot 6 \text{ B} = \frac{2^{20} \cdot 2^3 \cdot 6}{\pi \cdot 2^8} \text{ B} = 48 \text{ MB}$$

