virtual pages $= \dfrac{\text{main memory size}}{\text{page size}} = \dfrac{2^{32}}{2^{10}} = 2^{22} = 2^2 \times 2^{20} = 4M \text{ page}$ ②

↳ entries

$\Rightarrow$ virtual page $= 2^{22} \Rightarrow$ فرض : 22 bit → line size

$\Rightarrow$ siz of page table $=$ (line size) $\times$ (num of virtual pages) $=$

$= 2^{22} \times 22 = 11.5 \text{ Mbyte}$

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