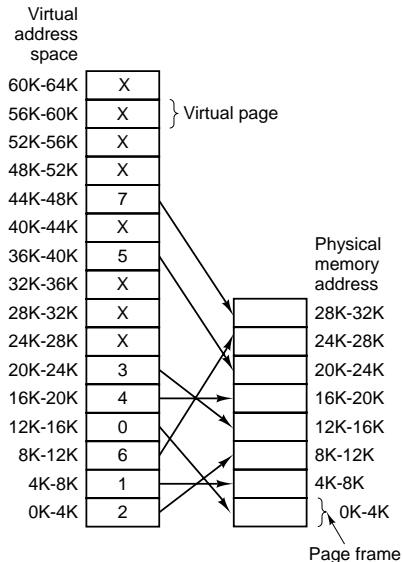


Virtual Memory

Logical memory can be much larger than physical memory



Address translation

virtual address $\xrightarrow{\text{page table}}$ *physical address*

Page 0 $\xrightarrow{\text{map to}}$ *Frame 2*

0_{virtual} $\xrightarrow{\text{map to}}$ 8192_{physical}

20500_{vir} $\xrightarrow{\text{map to}}$ 12308_{phy}
 $(20k + 20)_{\text{vir}}$ $\xrightarrow{\text{map to}}$ $(12k + 20)_{\text{phy}}$