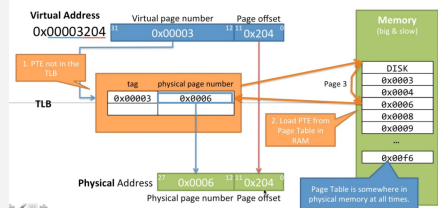


Translation lookaside buffer (TLB) Example:

Example translation (empty TLB)



Cache Organization

Parameter	Description
$S \times D$	Number of sets
E	Number of lines per set
$B \times D$	Block size (bytes)
$M \times D$	Number of memory locations (address bits)
Default conditions	
$S \times D$	Replacement number of unique memory addresses
$E \times D$	Number of set entries (bits)
$M \times D$	Number of address entries (bits)
$B \times D$	Number of data bits
$M \times B \times D$	Cache size (bytes) (including overhead bits in the word and tag bits)

Organization of Cache (S,E,B,m)

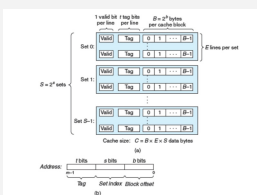


Figure 6.25 General organization of cache (S, E, B, m).

C

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Not published yet.

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