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ADDRESS TRANSLATION CODE

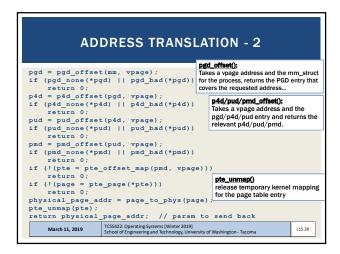
// 5-level Linux page table address lookup
//
// Inputs:
// mm_struct - process's memory map struct
// vpage - virtual page address

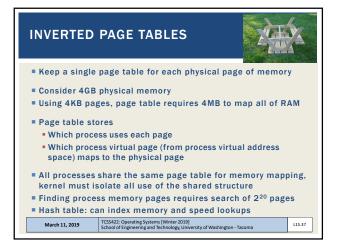
// Define page struct pointers
pgd_t *pgd;
p4d_t *p4d;
pud_t *pud;
pmd_t *pud;
pmd_t *pmt;
pte_t *pte;
struct page *page;

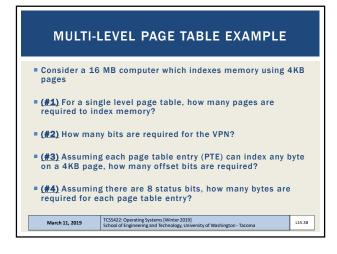
March 11, 2019

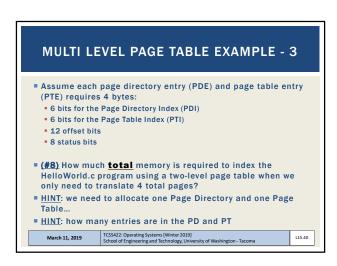
ICSSAIZ: Operating Systems [Winter 2019]
School of Engineering and Technology, University of Washington-Taxoma

L15.35
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| WOULTI LEVEL PAGE TABLE EXAMPLE - 4 | Washington Single page directory entry (PDE) pointing to a single page table (PT), if all of the slots of the page table (PT) are in use, what is the total amount of memory a two-level page table scheme can address? | Washington Single Page table (PT) are in use, what is the total amount of memory a two-level page table scheme can address? | Washington Single Page table scheme consume compared to the 1-level scheme? | HINT: two-level memory use / one-level memory use

