

Hardware Support:





valid, not present: what hoppens? new case: =)fault => 05 OS: "page foult handler if mem is full: (padc - <u>evict a page</u> replacement) (which page?) [policy] TLB Toral k oning to hold the

have about to be fetched page fetch page (disk I/O) =) may put process to "sleep" (blocked on I/O) =) up date page table, etc.



(evict) l L 303121 3 D 3 3 0 3 33 2 1 2 miss a ccesses hit MRU LRV 0 \cap Z () 1 D Z 2 2 evict Ŝ 3 3 С 3 vict 3 **≟** 1

=) when h/w accesses that page, h/w set use bit to 1 => eviction: just find a also: page where (use bit==0) =) when scanning for a page to evict, if use bit == 1, Clear it, move to next page