

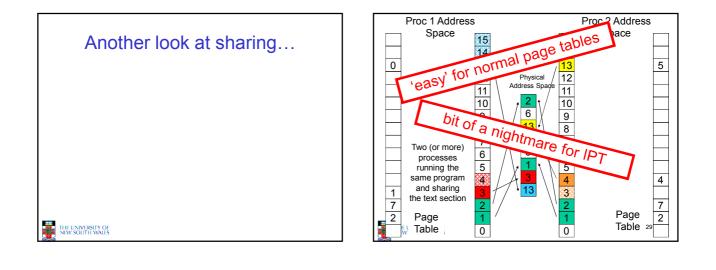
Given *n* processes

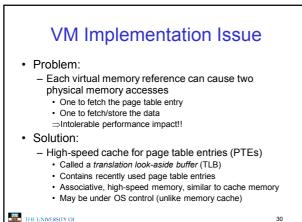
- how many page tables will the system have for
 - 'normal' page tables
 - inverted page tables?

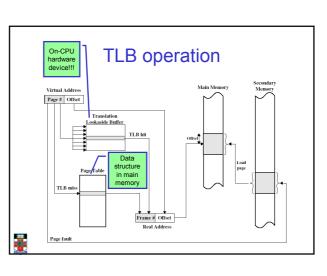
THE UNIVERSITY OF NEW SOUTH WALES

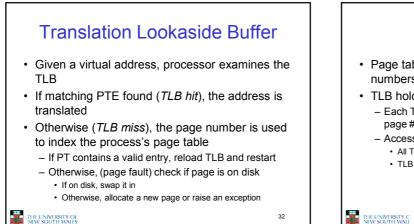
THE UNIVERSITY OF NEW SOUTH WALES

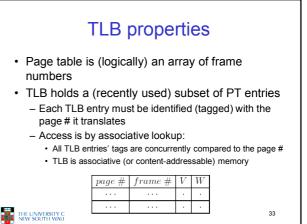
26

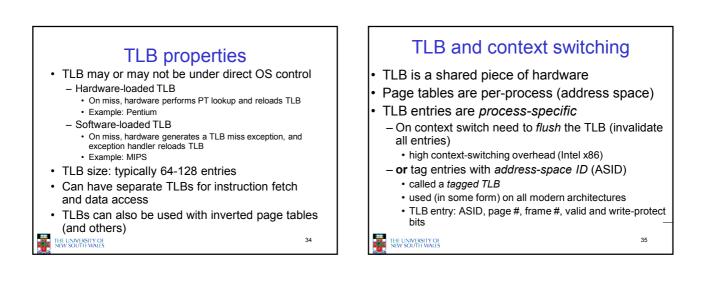


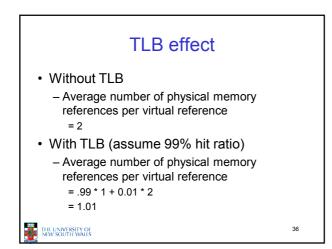


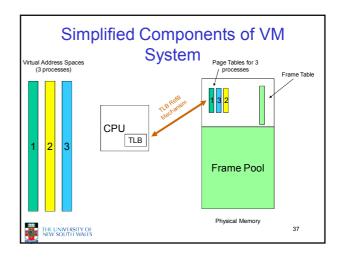




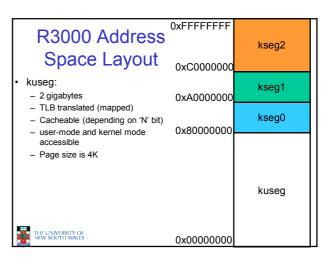








MIPS R3000 TLB									
31	12	11			6	5	0		
VPN EntryHi Register (TLB key fields)		ASID				0			
31	12	11	10	9	8	7	0		
PFN		Ν	D	V	G	0			
 EntryLo Register (TLB data fields) N = Not cacheable D = Dirty = Write protect G = Global (ignore ASID in lookup) 			 V = valid bit 64 TLB entries Accessed via software through Cooprocessor 0 registers EntryHi and EntryLo 						
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R3000 Space	kseg2			
 Switching processes switches the translation 		0xA0000000	kseg1	
(page table) for kuseg			kseg0	
Proc 1 kuseg	Proc 2 kuseg	0x0000000	Proc 3 kuseg	

