

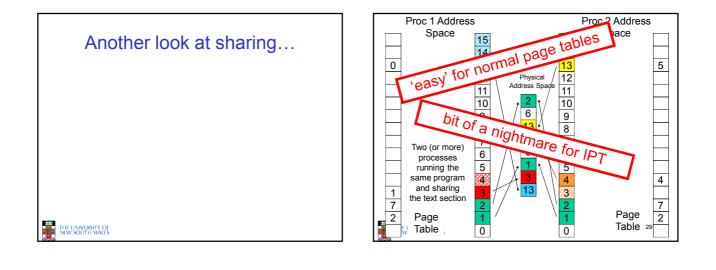
## Given *n* processes

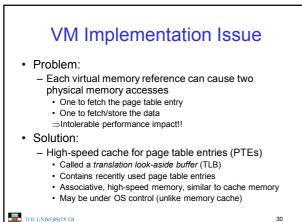
- how many page tables will the system have for
  - 'normal' page tables
  - inverted page tables?

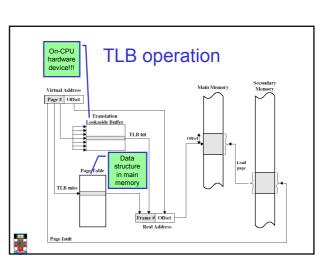
THE UNIVERSITY OF NEW SOUTH WALES

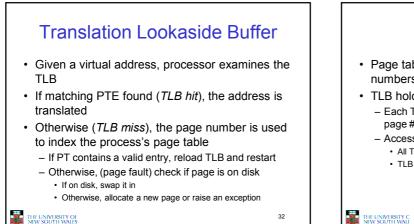
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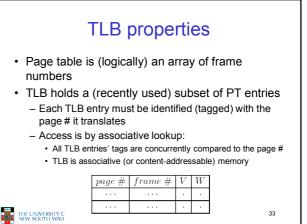
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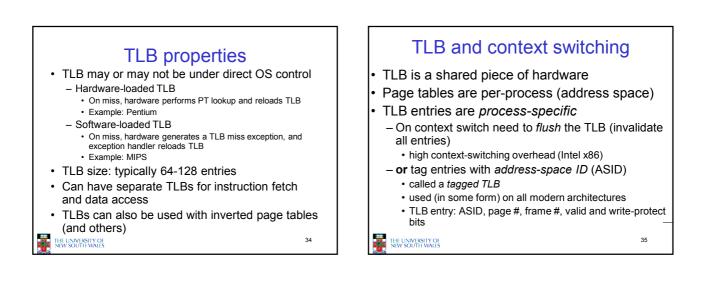


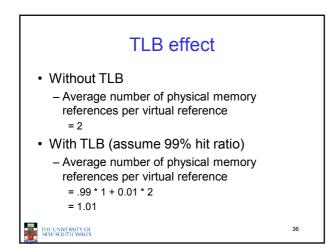


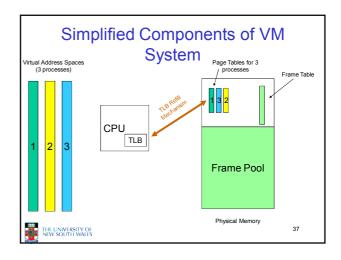




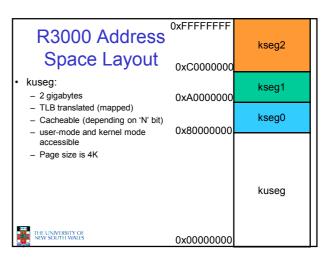








MIPS R3000 TLB									
31	12	11			6	5	0		
VPN EntryHi Register (TLB key fields)		ASID				0			
31	12	11	10	9	8	7	0		
PFN		Ν	D	V	G	0			
<ul> <li>EntryLo Register (TLB data fields)</li> <li>N = Not cacheable</li> <li>D = Dirty = Write protect</li> <li>G = Global (ignore ASID in lookup)</li> </ul>			<ul>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

