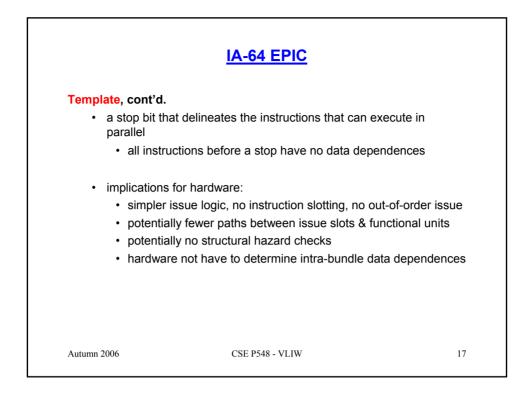
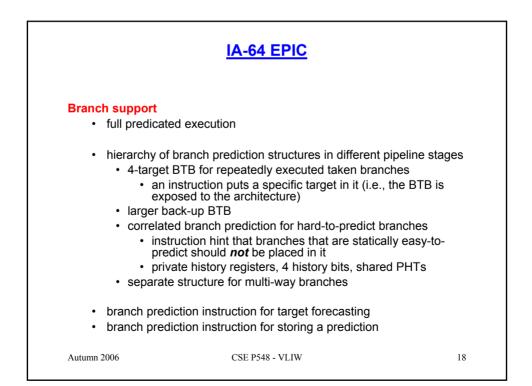
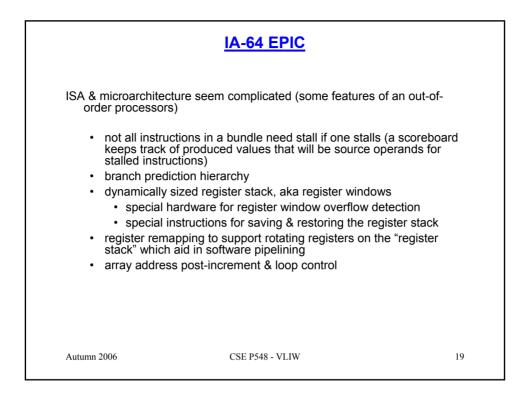


type of cinstruction	IA-64 EPIC the bundle that indicates: operation for each instruction on order in bundle es (2 of 24)			
 examples (2 of 24) M I I M F B M: load & manipulate the address (e.g., increment an index) I: integer ALU op F: FP op B: transfer of control other, e.g., stop (see below) restrictions on which instructions can be in which slots schedule code for functional unit availability (i.e., template types) & latencies 				
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IA-64 EPIC				
 More complication don't want to store speculative values to memory special instructions check integer register poison bits to detect whether value is speculative (for nonspeculative code or exceptions) OS can override the ban on storing (e.g., for a context switch) different mechanism for speculative floating point values backwards compatibility x86 (IA-32) PA-RISC compatible memory model (segments) 				
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