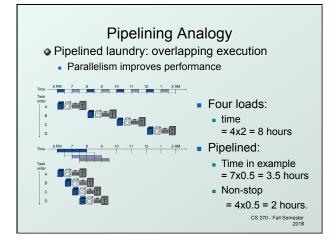


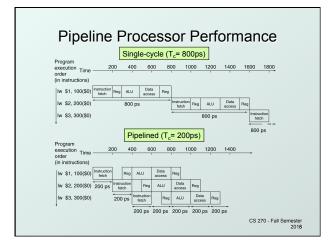
Parallelism to save time

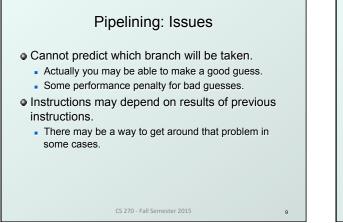
• Do things in parallel to save time.

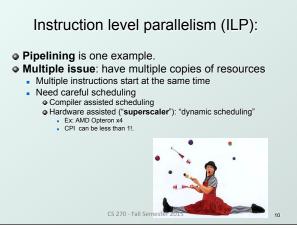
- Example: Pipelining
 - Divide flow into stages.
 - Let instructions flow into the pipeline.
 - At a time multiple instructions are under execution.

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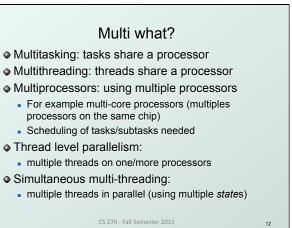




		Data Streams	
		Single	Multiple
Instruction Streams	Single	SISD: Intel Pentium 4	SIMD: SSE instructions of x86
	Multiple	MISD: No examples today	MIMD: Intel Xeon e5345

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