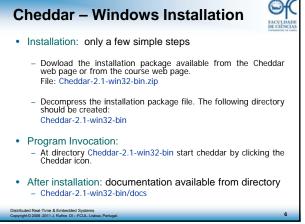
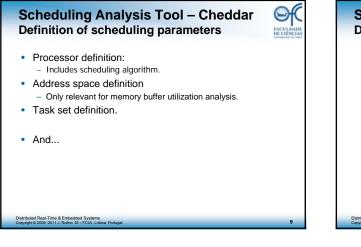


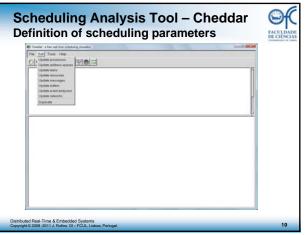
Program Invocation – at a terminal type the following command: cheddar &

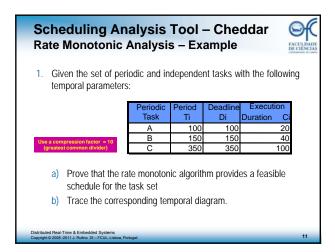


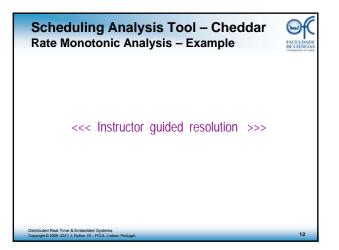
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Scheduling Analysis Tool – Cheddar Definition of scheduling parameters	Of FACULDADE DE CIENCIAS
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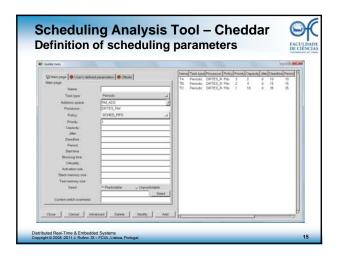


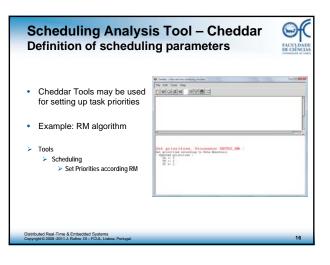


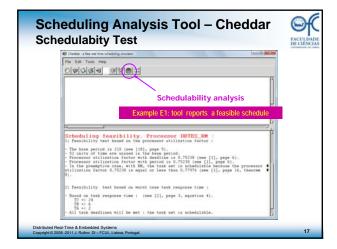


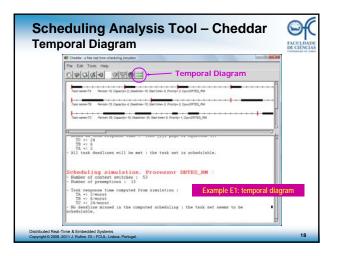
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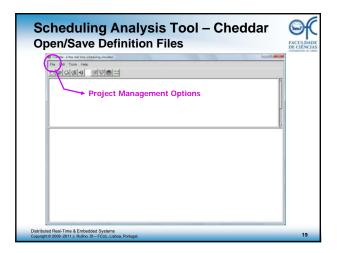
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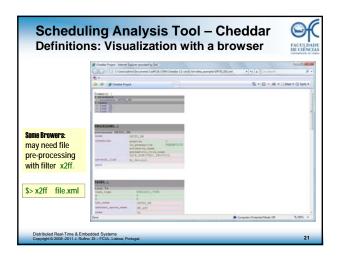


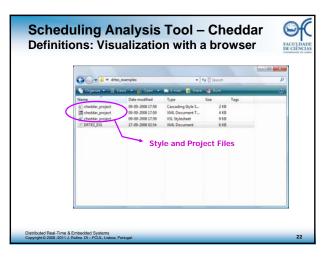


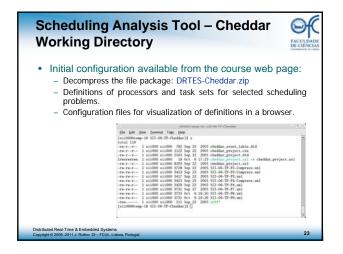


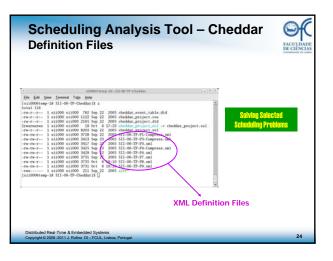


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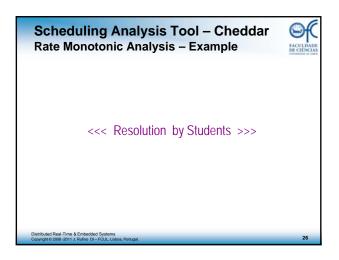


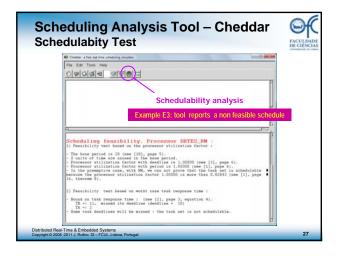


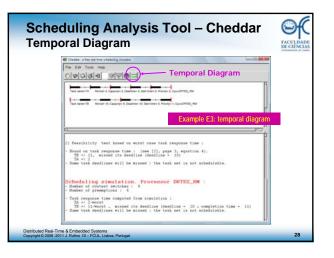


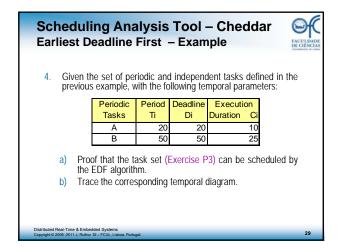


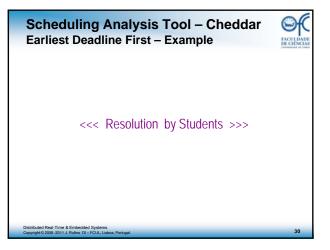
Scheduling Analysis Tool – Cheddar Rate Monotonic Analysis – Example						
3. Given the set of periodic and independent tasks with the following temporal parameters:						
	Periodic	Period	Deadline	Execution	1	
	Tasks	Ti	Di	Duration Ci		
Use a compression factor = 5	A	20	20	10		
(greatest common divider)	В	50	50	25	1	
<ul><li>a) Prove that the rate monotonic algorithm does not provide a feasible schedule for the task set</li><li>b) Identify in the temporal diagram the first task deadline miss</li></ul>						
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7. Given the set of periodic and independent tasks with the following temporal parameters:						
	Periodic	Period	Deadline	Execution	۱	
	Tasks	Ti	Di	Duration (	Ci	
	A	4	4		1	
	В	6	6		3	
	С	12	12		3	
<ul> <li>a) Check whether or not there is a feasible schedule for this task set task according to the LLF algorithm.</li> <li>b) Trace the corresponding temporal diagram.</li> <li>c) How does Cheddar solves ties in task scheduling?</li> </ul>						
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