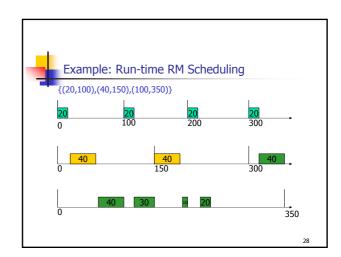
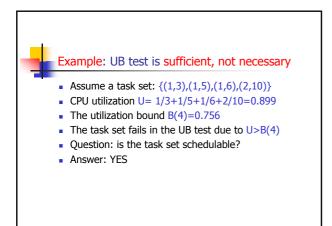


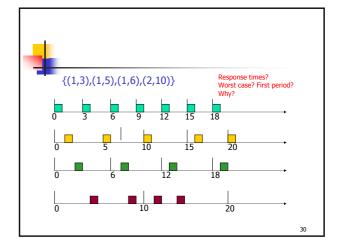
## Example: Utilization bounds

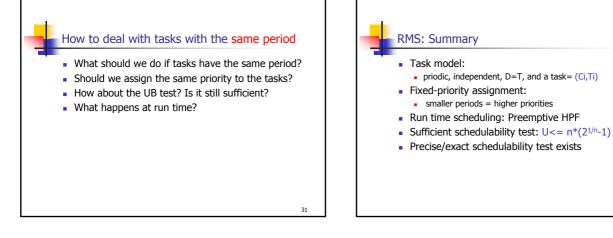
B(2)=0.828 B(5)=0.743 B(8)=0.724   B(3)=0.779 B(6)=0.734 U(∞)=0.693
B(3)=0.779 B(6)=0.734 U(∞)=0.693

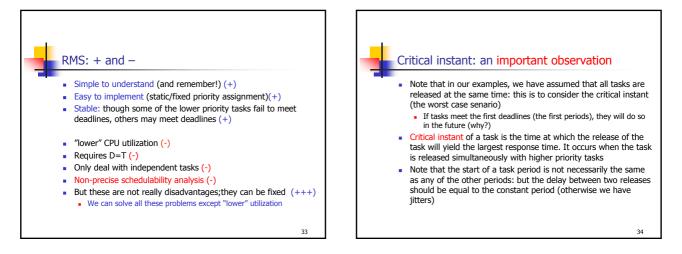
	С	T (D=T)	C/T	
Task 1	20	100	0.200	
Task 2	40	150	0.267	
Task 3	100	350	0.286	

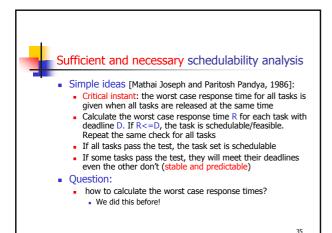


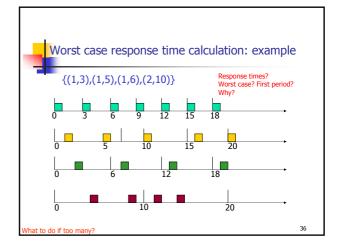


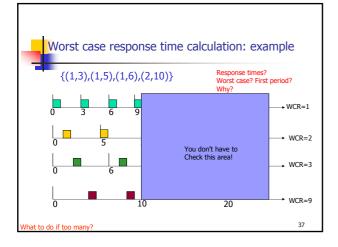


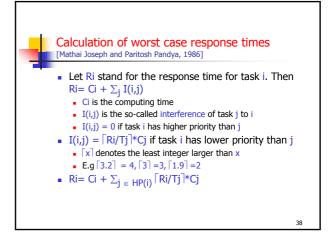


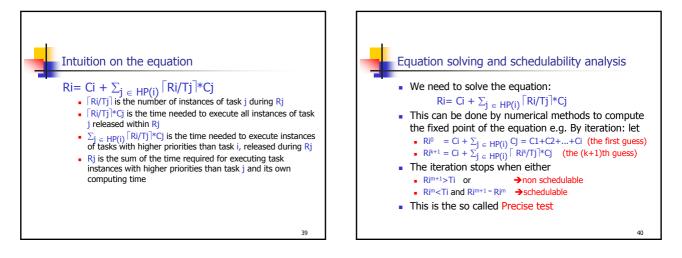


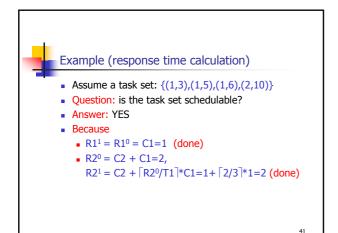


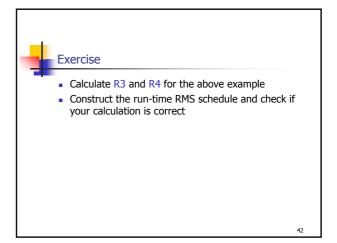


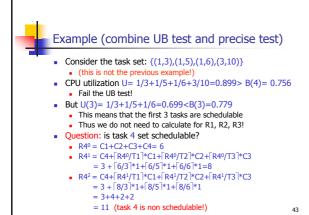


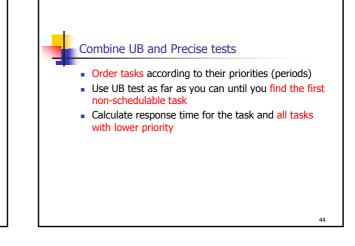




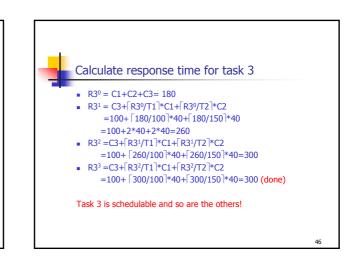


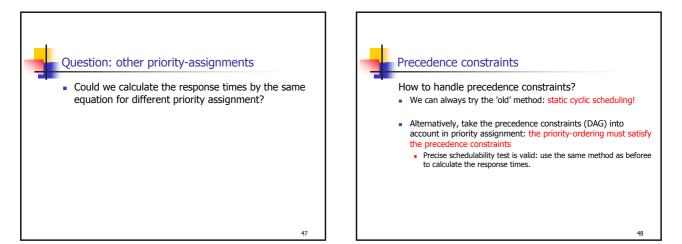


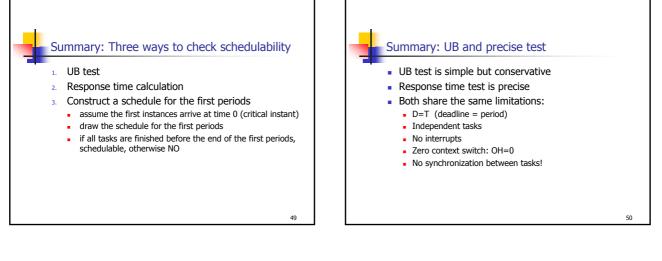


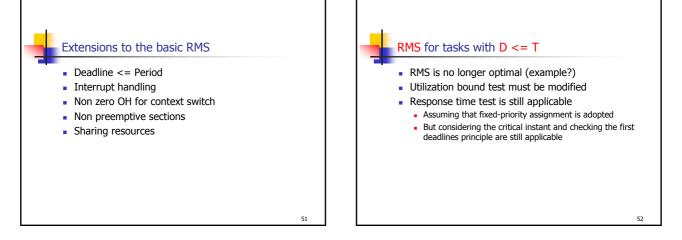


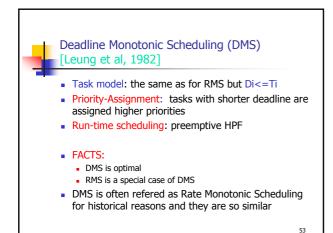
Exampl	e			
-				
	С	Т	C/T	7
Task 1	40	100	0.400	1
Task 2	40	150	0.267	7
Task 3	100	350	0.286	1
UB test is but we do	inclusive: we	e need Precise +U(T2)= 0.4+	6= 0.953>B(3)= test 0.267= 0.667 <l< td=""><td></td></l<>	

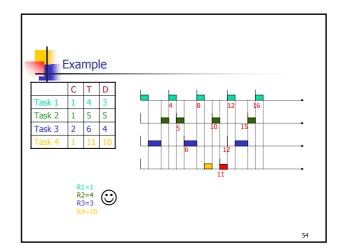


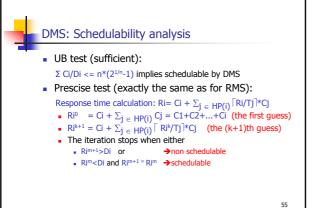


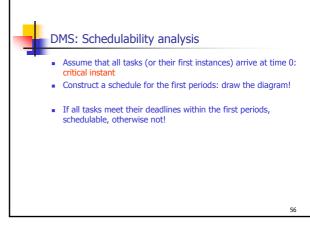


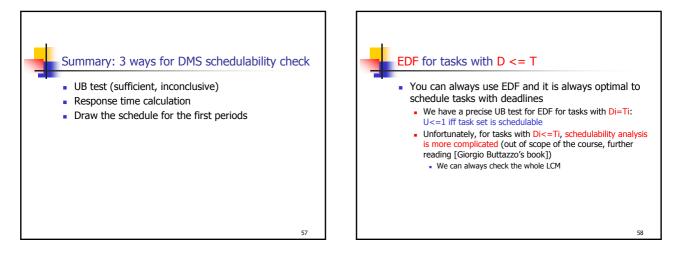












Junn		ty analysis
	Di=Ti	Di<=Ti
Static/Fixed-	RMS	DMS
priority	Sufficient test	Sufficient test
	$\Sigma$ Ci/Ti <= n*(2 <sup>1/n</sup> -1)	$\Sigma Ci/Di \le n^*(2^{1/n}-1)$
	Precise test	Precise test
	Ri= Ci +	Ri= Ci +
	$\Sigma_{j \in HP(i)} [Ri/Tj]*Cj$	$\Sigma_{j \in HP(i)} \ \lceil \text{Ri}/\text{Tj} \rceil * \text{Cj}$
	Ri<=Ti	Ri<=Di
Dynamic	EDF	EDF
priority	Precise test	?
	Σ Ci/Ti <=1	

