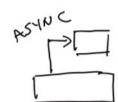


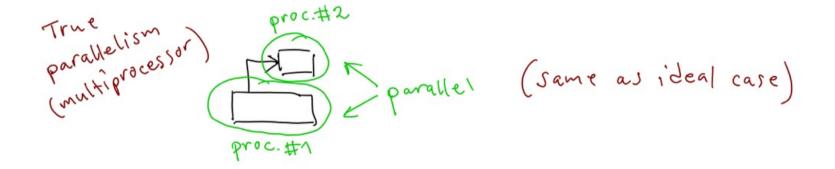


Lecture #14 – blackboard scribble

Concurrent



ideal case

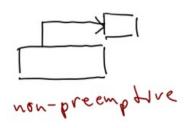


psendo-parallel

execution

(one processor)

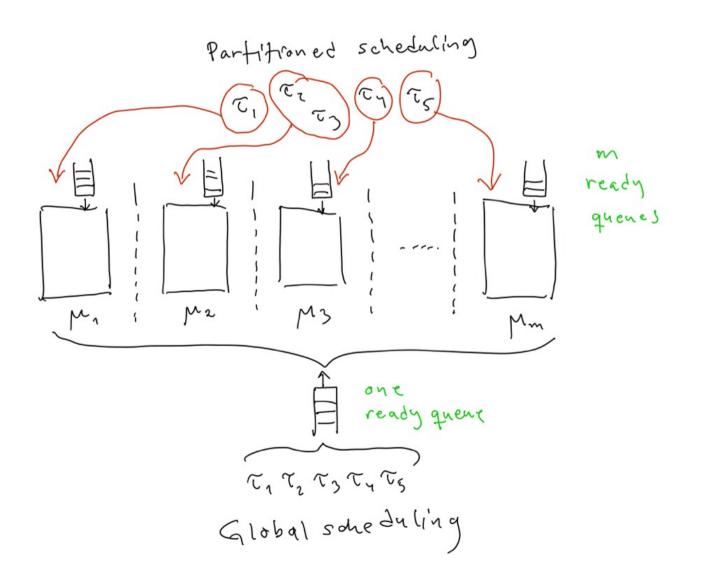
preemptive







Lecture #14 – blackboard scribble



Lecture #14 – blackboard scribble

RM-US[m/(3m-2)]

$$m = 3$$
 processors
Calculate utilization-separation (US) bound:
 $m/(3m-2) = 3/(3.3-2) = 3/7 \approx 0.43$

	Task	c;	T;	U_{i}
MH	τ,	1	7	0,143
ML	$\tau_{\rm z}$	2	10	0,2
H	τ_3	9	20	०,५८
H	\mathcal{L}_{q}	11	22	0,5
L	$ au_{\zeta}$	2	25	0,08

Derive priorities:

Based on the US bound (0,43) tasks To and Try are

Based on the US bound (0,43) tasks To and Try are

considered "heavy" tasks, and are assigned highest priority.

The remaining tasks are assigned RM priorities.

This gives two possible priority assignments (high > low)

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To, Ty, To, To, To