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▶ The one-machine scheduling problem:

- a set of jobs have to be scheduled on one machine.
- each job has a release date, a processing time, and a delivery time.
- Each job cannot be processed before its release time.
- At most one job can be processed at a time, all jobs can be simultaneously delivered.
- Preemption is allowed.









lateness  $(L_{max})$ 







![](_page_4_Figure_2.jpeg)

![](_page_5_Picture_0.jpeg)

![](_page_5_Figure_1.jpeg)

![](_page_5_Figure_2.jpeg)

![](_page_6_Picture_0.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_6_Figure_2.jpeg)

![](_page_7_Figure_0.jpeg)

![](_page_7_Figure_1.jpeg)

![](_page_7_Figure_2.jpeg)

U.D.J. Perepeu Falvea Barcaloas	Computational Results							
			Poly	nomial	Enumerative methods			
		Examples	1	2	3	4	5	6
		(LA19)	798	807	813	807	807	832
		(MT10)	911	911	911	911	911	911
		(MT10)	917	917	917	917	917	917
		(MT10)	836	836	836	836	836	836
		(MT10)	884	884	884	892	892	892
		(ABZ5)	1101	1116	1116	1108	1116	1116
		(LA19)	735	752	752	747	755	755
		(ABZ5)	1147	1157	1157	1147	1157	1157
		(MT10)	884	884	884	892	892	892
		(MT10)	918	918	918	918	918	918
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![](_page_8_Picture_2.jpeg)

![](_page_9_Picture_0.jpeg)

![](_page_9_Figure_1.jpeg)