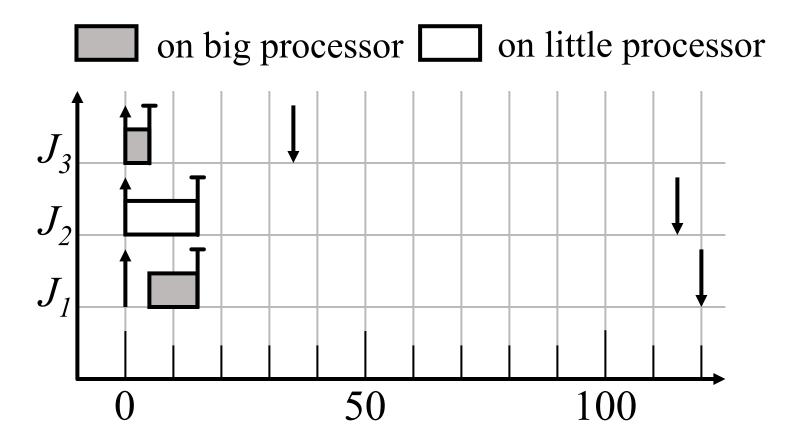
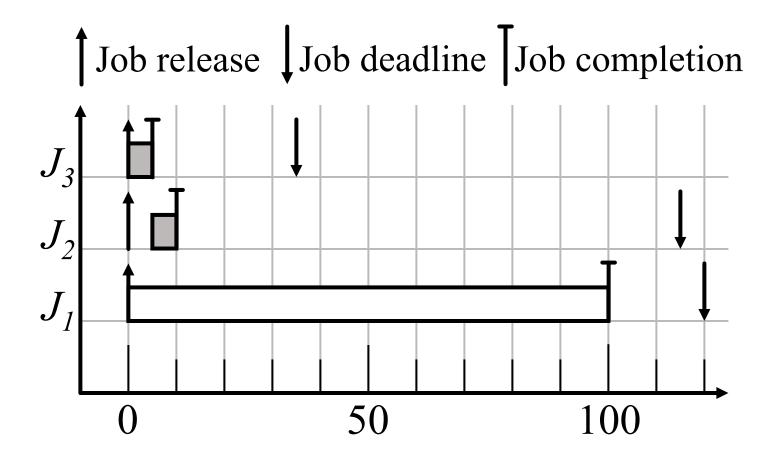
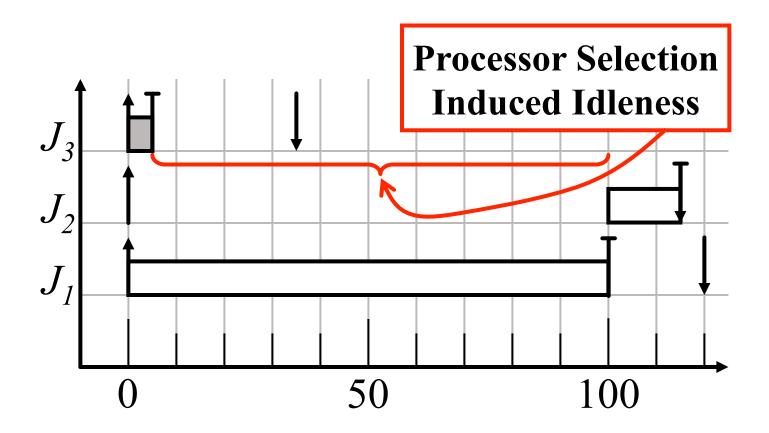
Job	Execution time (ms)		Energy Consumption (mJ)		Frequency (GHz)		Doodling
	big	LITTLE	big	LITTLE	big	LITTLE	Deadline
Job 3	5	15	100	7.5	3	1.5	35
Job 2	5	15	100	7.5	3	1.5	115
Job 1	10	100	200	50	3	1.5	120







Problem Type	Average Execution Cost On Big Processors			Average Execution Cost On Little Processors				
	2 GHz	2.5 <i>GHz</i>	3 GHz	3.5 <i>GHz</i>	0.5 <i>GHz</i>	0.75 <i>GHz</i>	1 GHz	1.
envalue Computation								
512x512 2048x2048 4096x4096	200 mJ 800 mJ 1200 mJ	300 mJ 900 mJ 1500 mJ	300 mJ 900 mJ 1500 mJ	300 mJ 900 mJ 1500 mJ	300 mJ 900 mJ 1500 mJ	300 mJ 900 mJ 1500 mJ	300 mJ 900 mJ 1500 mJ	
2D Convolution								
512x512 2048x2048 4096x4096	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	
atrix Multiplication								
512x512 2048x2048 4096x4096	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	100 mJ 800 mJ 1200 mJ	1
D Fluid Simulation								
512x512 2048x2048	800 mJ 1200 mJ	800 mJ 1200 mJ	800 mJ 1200 mJ	800 mJ 1200 mJ				
I-Body Simulation								
1024 particles	800 mJ	800 mJ	800 mJ	800 mJ				

Clustered Partitioned Global Processor Arrangement

Dynamic voltage and Frequency Scaling						
Static	Dynamic	Mixed	Cluster			
EES EAS	EES EAS	EES EAS	EES EAS			
Classic Scheduling with Processor Selection	Classic Scheduling with Processor Selection	Classic Scheduling with Processor Selection	Classic Scheduling with Processor Selection			
			EES EAS			