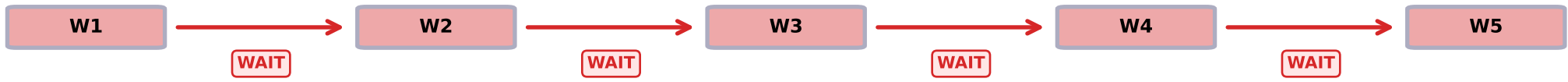


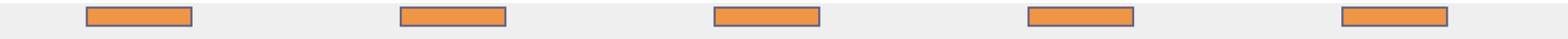
Sequential vs Parallel Processing Complexity

Sequential Processing: $O(n)$

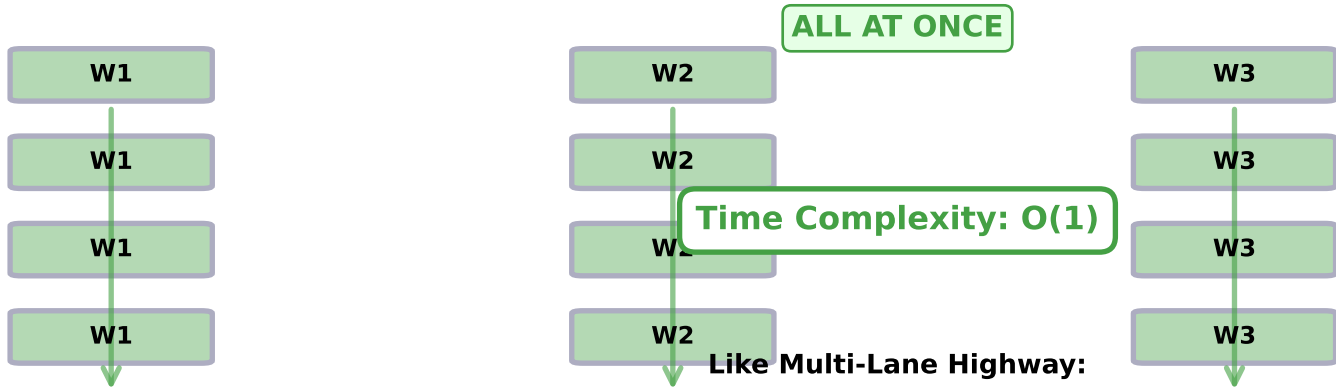


Time Complexity: $O(n)$

Like Single-Lane Highway:



Parallel Processing: $O(1)$



Like Multi-Lane Highway:



GPU Core Utilization

100x Speedup Achieved!

