1. Profiling: ArrayList Remove-from-the-End

1.1 Source Code Being Profiled

1.2 Profiling Results

Total Runtime at Different Problem Size (n)

Problem Size (n)	Total Runtime (ms)
4000	
8000	
16000	
32000	
64000	

Runtime vs. Problem Size on log-log Plot

Estimated SLOPE = ________________

Therefore, the total runtime for the source code being profiled is ____________ (**LINEAR** / **QUADRATIC**),

so each *add (at the end)* operation of ArrayList is ______________________ (**LINEAR** / **CONSTANT**) time.

2. Profiling: LinkedList Remove-from-the-End

2.1 Source Code Being Profiled

2.2 Profiling Results

Total Runtime at Different Problem Size (n)

Problem Size (n)	Total Runtime (ms)
4000	
8000	
16000	
32000	
64000	

Runtime vs. Problem Size on log-log Plot

Estimated SLOPE = _________________

Therefore, the total runtime for the source code being profiled is ____________ (**LINEAR** / **QUADRATIC**),

so each *add (at the end)* operation of ArrayList is ______________________ (**LINEAR** / **CONSTANT**) time.

3. Profiling: ArrayList Remove-from-the-Beginning

3.1 Source Code Being Profiled

3.2 Profiling Results

Total Runtime at Different Problem Size (n)

Problem Size (n)	**Total Runtime (ms)**
4000	
8000	
16000	
32000	
64000	

Runtime vs. Problem Size on log-log Plot

Estimated SLOPE = ________________

Therefore, the total runtime for the source code being profiled is ____________ (**LINEAR** / **QUADRATIC**),

so each *add (at the end)* operation of ArrayList is ______________________ (**LINEAR** / **CONSTANT**) time.

4. Profiling: LinkedList Remove-from-the-Beginning

4.1 Source Code Being Profiled

4.2 Profiling Results

Total Runtime at Different Problem Size (n)

Problem Size (n)	Total Runtime (ms)
4000	
8000	
16000	
32000	
64000	

Runtime vs. Problem Size on log-log Plot

Estimated SLOPE = __________________

Therefore, the total runtime for the source code being profiled is _____________ (**LINEAR** / **QUADRATIC**),

so each *add (at the end)* operation of ArrayList is ________________________ (**LINEAR** / **CONSTANT**) time.