

First name	
Last name	
Collaborator	
Pledge	

1 Task 1: Profiling a Linked List and an Array

Please present your experiment record below: either a graph or a chart.

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Please explain: why does the two algorithms with both $\mathcal{O}(n)$ complexity, have very different performance when n increases? You need to explain in detail from the perspective of **locality**.

2 Task 2: Locality Improved Linked List

Please present your experiment record below: either a graph or a chart.

Please explain: what is the time complexity of unrolled linked list? How does a unrolled linked list improve the efficiency of traversal in terms of locality?

The End 🖐