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1. **Which of the implementations uses more memory? Explain why.**

Ultimately the linked list ended up using more memory as the values grew larger. It was interesting to graph the memory usage of the dynamic array to watch it stay static before growing. The linked list uses more memory as it needs to store a value and pointer.

1. **Which of the implementations is the fastest? Explain why.**

Depending on the use case the answer may vary. However in this instance where the program was searching for an item the two performed about equally until 16834 elements. The array having contiguous memory reserved should explain the performance differences.

1. **Would you expect anything to change if the loop performed remove() instead of contins()? If so, why?**

I think it would depend on what was being removed. If the first elements are being removed there wouldn’t be much of a difference but if a user wanted to remove the Nth element removing from the dynamic array would be much faster as it can be accessed directly.



