CAB301 Assignment 2: Empirical Comparison of Two Algorithms for Finding the Minimum Distance between Two Elements in an Array

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# Summary

# Description of the Algorithms

# Theoretical Analysis of the Algorithms

## Identifying the Algorithm’s Basic Operation

### MinDistance

### MinDistance2

## Choice of Problem Size

## Analysis of Theoretical Average Case Efficiency

# Methodology, Tools and Techniques

## Programming Environment

## Implementation of Algorithms

## Generating Test Data and Running Experiments

## Implementation of Basic Operations Counters

### MinDistance

### MinDistance2

## Implementation of Execution Timers

### MinDistance

### MinDistance2

# Experimental Results

## Functional Testing

## Number of Basic Operations

## Execution Time

# References

# Appendix