CAB301 Algorithms and Complexity Assignment 2

Empirical Comparison of Two Algorithms

## Description of the Algorithms:

### Minimum Distance 1:

A. Levitin proposed an algorithm for finding the distance between the two closest elements in an array of numbers (see Figure 1).

## Figures:

1. //Input: Array of numbers  
   //Output: Minimum distance between two of its elements

Figure 1: A. Levitin’s given algorithm – MinDistance

1. //Input: Array of numbers  
   //Output: Minimum distance *d* between two of its elements

Figure 2: Proposed solution of greater efficiency – MinDsitance2