# Pseudocode

## Start

Initialize the code

## THEN

Start the counters

## LOOP

While not end of file
recorrate the array of the numbers, and if the number is in the pointer, then increase
this counter per one **Then pass to the next character**

*The end of the file is reached, and the program is finished*

# Best Case

## Input set:

If the amount of the numbers in the plain text file is N, then the best case is N numbers that correspond only to the initial position [0] to the array.

## Formula

The algorithm makes N comparisons to find the repeated numbers.

# Worst Case

## Input set

If the amount of the numbers in the plain text is N, then the worst case is N different numbers in the plain text.

## Formula

The algorithm makes N*N= N^2 comparisons to find the repeated numbers because it has any repeated characthers.

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# Algorithms and Complexity

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