

REPORT

Task

To compute the average time taken when 2 matrices are multiplied using Iterative, Divide and Conquer, and Strassen's Algorithm.

Prediction

The time complexity when computed for the 3 approaches are:

1. Iterative : $O(n^3)$
2. Divide and Conquer : $O(n^3)$
3. Strassen's Algorithm : $O(n^{2.8})$, We expect Strassen's Algorithm to be the fastest according to this prediction

Findings

After the predictions were made ,we expect stressen's algorithm to be fastest.But in reality Iterative method is the fastest.It is because the other algorithms have a more complex steps than the iterative method.

Output

