Strassen's Matrix Multiplication

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Abstract. Usual Matrix Multiplication takes $O(n^3)$. To avoid such a long computation, We adopt Strassen's Matrix Multiplication Algorithm

1   Matrix Multiplication

We have been learning Matrix Multiplication since High School. Its a great tool. Matrix Multiplication can be said as dot product of row of one matrix with the columns of other matrix.

1.1   Matrix Multiplication with Divide and Conquer.

Divide and Conquer is the method of dividing a large problem into smaller same problem for which we know the answer and then combining it.

How do we use Divide And Conquer for Matrix muliplication

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[1]He's Amazing