

TECNOLÓGICO DE MONTERREY

FUNDAMENTOS DE COMPUTACIÓN

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## Homework 7

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# 1 Problems

Solve the following problems:

1. Generate two 4 X 4 matrices and manually apply the Strassen's method to multiply them. Verify that the result is correct by comparing with the one provided by the traditional method. Show the steps.
2. Generate a monic polynomial with  $k = 4$  (that is  $n = 15$ ) and solve it using the recursive algorithm presented in class. show the steps.