## **Contents**

- Coefficients of the poly & divisor
- Division

```
% Midterm Problem 3 (b)
% Polynomial division algorithm

clear
clc
close all
```

## Coefficients of the poly & divisor

```
o = 5; % Order of the poly
A(:,1) = [1;-15;85;-225;274;-120]; % Coefficients of the poly (Decreasing order)
N = 5; % Divide the poly by (x - N)
```

## **Division**

Reordering the coefficients

```
R =

0

Qn-1 =

1
-10
35
-50
24
```

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