## **Contents**

- Coefficients of the poly & divisor
- Division

```
% Midterm Problem 3 (d)
% Polynomial division by the root

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 = 1; % Divide the poly by (x - N)
```

## **Division**

Reordering the coefficients

```
R =

0

Q4 =

1
-14
71
-154
120
```

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