
Table of Contents

.....	1
Question 3	1

```
clear;clc;close all
```

Question 3

```
L1 = 1575.42 *10^6;  
L2 = 1227.6 * 10^6;  
L5 = 1176 * 10^6;
```

```
syms pL1 pL2 pL5
```

```
% L1-L2
```

```
p_IF_L12 = vpa(L1^2/(L1^2-L2^2)*pL1 + L2^2/(L1^2-L2^2)*pL2,4);  
sigma_L12 = double(norm(coeffs(p_IF_L12)));
```

```
% L1 - L5
```

```
p_IF_L15 = vpa(L1^2/(L1^2-L5^2)*pL1 + L5^2/(L1^2-L5^2)*pL5,4);  
sigma_L15 = double(norm(coeffs(p_IF_L15)));
```

```
% L2 - L5
```

```
p_IF_L25 = vpa(L2^2/(L2^2-L5^2)*pL2 + L5^2/(L2^2-L5^2)*pL5,4);  
sigma_L25 = double(norm(coeffs(p_IF_L25)));
```

Published with MATLAB® R2024b