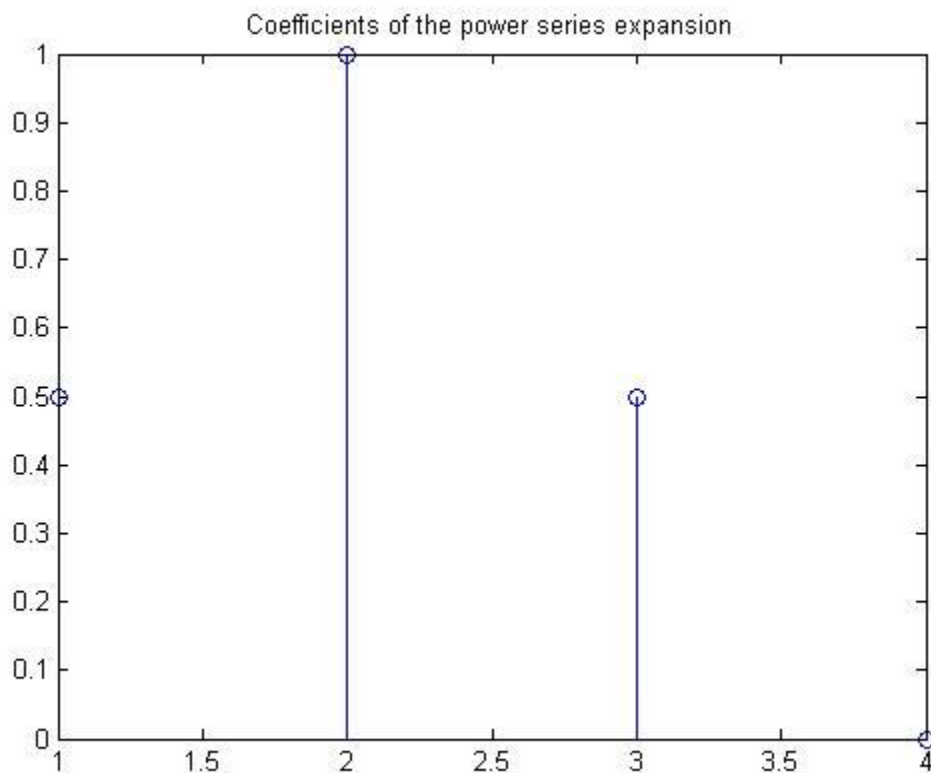# Experiment 27

## Computing the inverse z-transform using long division method

Using MATLAB's inbuilt function impz()

```
clear al;
clc;
close all;


L = 4;

num = [1 2 1];
den = [2];

[y,t] = impz(num,den,L);

stem(y'),title('Coefficients of the power series expansion');
```



Coefficients of the power series expansion

## Conclusion

Inverse z transformation using long division method computed correctly.