

## Contents

0.1	Generating functions . . . . .	1
0.1.1	Definition . . . . .	1

## 0.1 Generating functions

### 0.1.1 Definition

A series can be described as:

$$\sum_{i=0}^{\infty} s_i x^i$$

If we know the function equal to this series, we can identify the  $i$ th number.