**Differential Equation Formulas**

1. Homogeneous Case

General Solution:

Definite Solution:

1. Non-homogeneous Case

General Solution:

Definite Solution:

**Difference Equation Formulas**

1. The Homogeneous Case

where

General Solution:

Definite Solution:

1. The Non-Homogeneous Case

Part 1:

General Solution

Definite Solution

1. The Non-Homogeneous Case

Part 2:

General Solution

Definite Solution