

1 Sequences and Series

Session 07: Sequences and Series

7A.1 Sequences

7A.2 Induction

7A.3 Series and the Sigma Notation

Recurrence Relations(7.1.1)

$u_1 = 2$ $u_2 = u_1 + 3 = 2 + 3 = 5$ $u_3 = u_2 + 3 = 5 + 3 = 8$ Airthmetic Progression

Proof by Induction(7.2.2)

Step 1 Base case

Step 2 Induction hypothesis

Step 3 Induction step

Series and Sigma Notation(7.2.3)