132459

Gichuhi Natasha

ICS 3 A

The following grammar generates the language of Regular Expression (RE) 0*1(0+1)*. Generate any 3 strings [of your choice] of lengths 2, 4 and 5 from the RE. Show how the selected strings can be derived from the grammar. Draw the leftmost and rightmost parse trees[if possible]

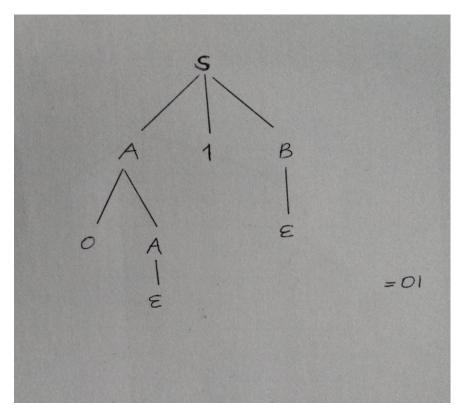
- $1. S \rightarrow A1B$
- 2. A →0A | ϵ
- 3. B \rightarrow 0B | 1B | ε

S->A1B

A->0A

B-> ε

01



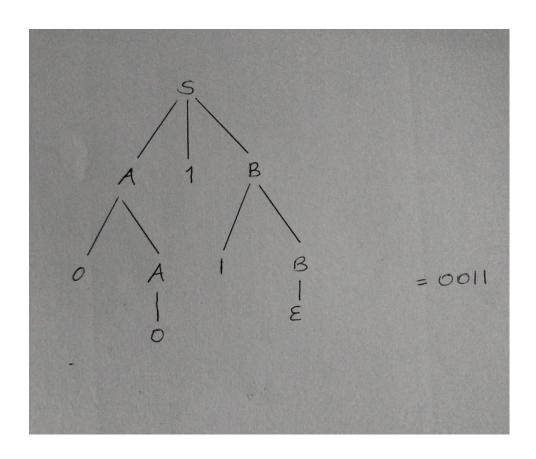
S->A1B

A->0A

B->1B

Β-> ε

0011



S->A1B

A->OA

B->1B

00111

