RGPV 2020

How can we construct regular grammar from regular expression?

Ans. Lets take an regular expresion example: 0*(1(0+1))*

Now convert above example in to regular language.

0*(1(0+1))*

Conver above regular expression into Right linear regular grammar in step by step.

Step 01:

S –> 0S

Step 02:

S –> 0S | A | ∈

Step 03:

S –> 0S | A | ∈

A –> 1B

Step 04:

S –> 0S | A | ∈

A –> 1B

B –> 0A | 1A | 0 | 1

Conver above regular expression into Left linear regular grammar in step by step.

Step 01:

S –> A | ∈

Step 02:

S –> A | ∈

A –> A10 | A11 | B

Step 03:

S –> A | ∈

A –> A10 | A11 | B

B –> B0 | 0

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