Ronit Rale 18/ Polo 55 ORTE ' 1 12 comps. Q.3) b) A context free grammer a = (1, T, P, S) is said table in GIVE is it every production is of the toom! whose, at T is a terminal and a is a String of zero or more variables. The language (C) Should be without E. A) he moving left he cursion Elimination at left secursion is an important step in algorithm would in concession at a city into GNF form. Lett recassive grammari-Aproduction of Ar for is called left recursing as the left hand Side variable appears agree thist. Igm sol on the right hand side. *languague generaled by left recursive grammer A > Ad ... left recassive A > B ... For termination of recorsion The language generaled by above prochetion is A > Aa -- (From production A > Aa) 3 Ban (from production A > B)



0.1
Right recursive grammer for Bah!
The state of the s
A > BB B (where Bgeneratesa
String on production A & is for
termination of recursion)
B > 08 0
Thus a left decarsive grammer
1 12
A -> Aala
can be written ay.
0018
A -> B818
B -> a B a
Algorithm for conversion from CPG. do GALE.
Algorithm for the version from
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