Context Face Grammae (CFa).

G(V, E, P, S)

V: non-terminal

E : Tunzi

S: Start

P: paroduction sul.

C CYX (YUZ)*

A→ & de(VUE)*

V= { 5} S= { 5} E = { 0,1 }

S - Apply per sule successively

S = 2 x

5 = 3 2

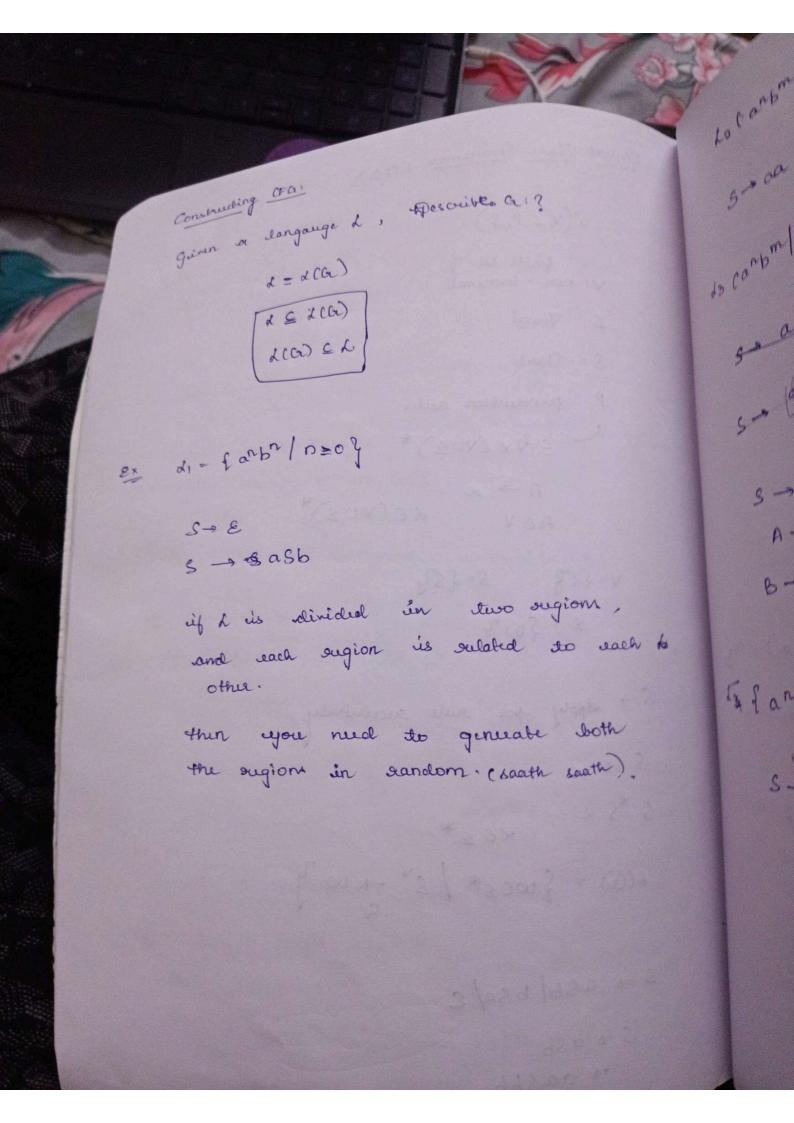
XE 5*

1(G) = { wes* / s* = w }

S = o asb/ bsa/ &

s = asb

= aasbb



Lo Canbrol n = am) S→ aa Sbb/E do carpm nom) n = m = an y so asblaasble maan s - asbjaasbj S - asblasbble S -> ABIE A - 9 a B -> blbb each to La farbrem/n, m zo y 5- 1/20 - 12

Lu - que leig* / Ho's - #1's 7. s - asblbsalelss abbbaa-s = ABIBA [E] A=a B = b All sugular langanger are context fece. D = (8, 5, 8, 00; F) d = d(D) - if Scari, a) = 4/3 Constructing CFG V = { Rilarie 8 } then a production Ri - arj 5 = 5 if or is final state Ri + & win p S= {Roy L = { wedapy } wands with bb }

RO RO

6 -

d

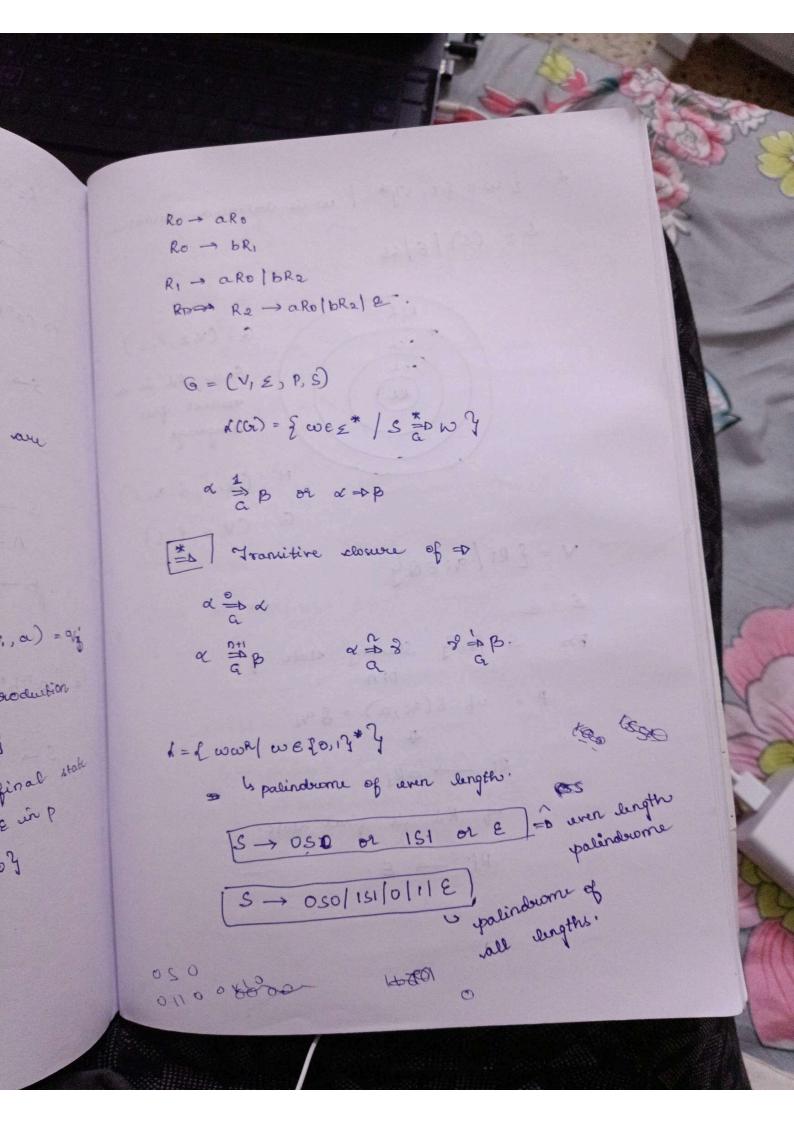
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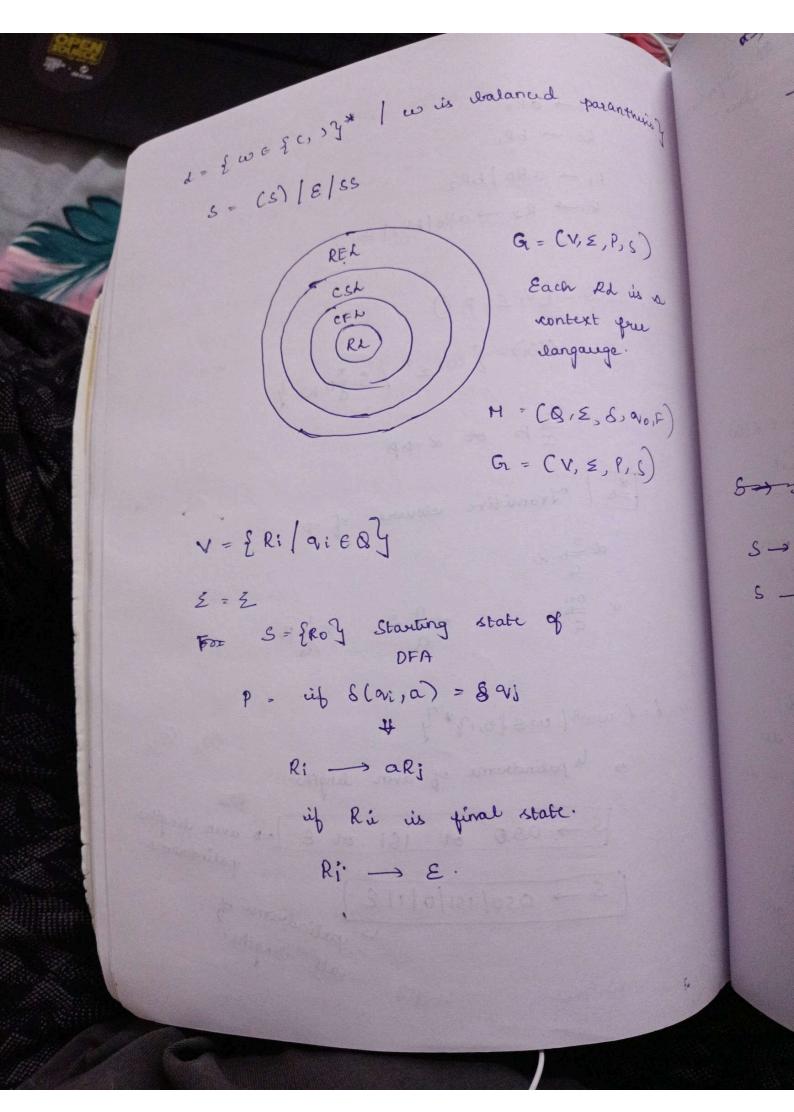
d

X

4=6

020





aced parantherin - Evol & we z* | was ood # CV.E.P.S) Ro -> ORO ca Rd is a deft has side only Ro B IRI one non-terminal ntext for R, -> IRO RI -> ORILE. (2,0 P c B c 31 d Ca) = LCH). , E, P, s) 8-> 31808 S- SS/asb/bsale S - asbs/bsas/E ababba s → asbs (s →asbs) → absasbs (s → bsas) - ababs (size 3-5 S-E) her man signer ob the seek seeks

1 th 11 or Syntar I MA A 4 x 111 1111 PANELS INCHES Peroperties: D Syntactic structure of a string world @ Root node of a passe true is start SHAS symbol. 3 Each internal node will be a non-Was all tuminal. (4) Each deaf node in a Inminal. from 2 (5) If an internal node labelled at R and the children of R from left to sight are di, de --- do, then R -> di, de - do will de a production rule in G. (6). It eyou traverse all the leaf nodes of this parse thee eleft do sight you will get the string a you which the is find

Sentential Form

if I is made of only &, then & is known at sentence / string.

we saw start

R

, de -da

this

non-

t to

ill get

ind.

S = asbs | bsas | E

, lift most non-turnal w = ababba 3 -asbs s-> bsas absasbs absasbbsas s -> bsas SAE ababba

3 + 2 5-5

suplacing the left most non-terminal => eliftmost relivination.

Or Synta

Sentential Form

S * W (VUE)*

if is made of only &, then & is known as sentence 1 string.

Sentential form

S = a S 6 S | 6 S a S | E

w= ababba

S → asbs

S → asbs

S → bsas

absasbbsas

S → E

S → E

S → E

S → E

S → E

S → E

suplacing the eletmost non-terminal

=> eletmost relivation.

ing wells.

a non-

ral.

eift to sold of the

es find.

suppoing sight most non-terminal Complant - seight most derivation. Analysis ADP apc gor a string wedla), if we can have Correctne mode than one destroist descivation, then grammar à is known as ambiguous transpose. gramman. => There will be 2 different passe truy Normal Form: lo solve ambiguety. -64 CNF m [1, GNF Audodo