## Voit production elimination

- · Refer to Questions in Previous Page
- 2. S→ AaB)aàB.

B- PPH/J

S-AaB | aaB | aB +Aa | a | aa

A=7

A=7

B=7

A=8-7

B=7

A=8-7

A=8-7

B=7

B→ PPU/PP U→3

S-> aB|aaB|alaa (Aw)

3. S→Aa/B B→A/bb A→a/bc/B

S-Aa|A|bb

B-a|bc|B|bb

A-a|bc|bb

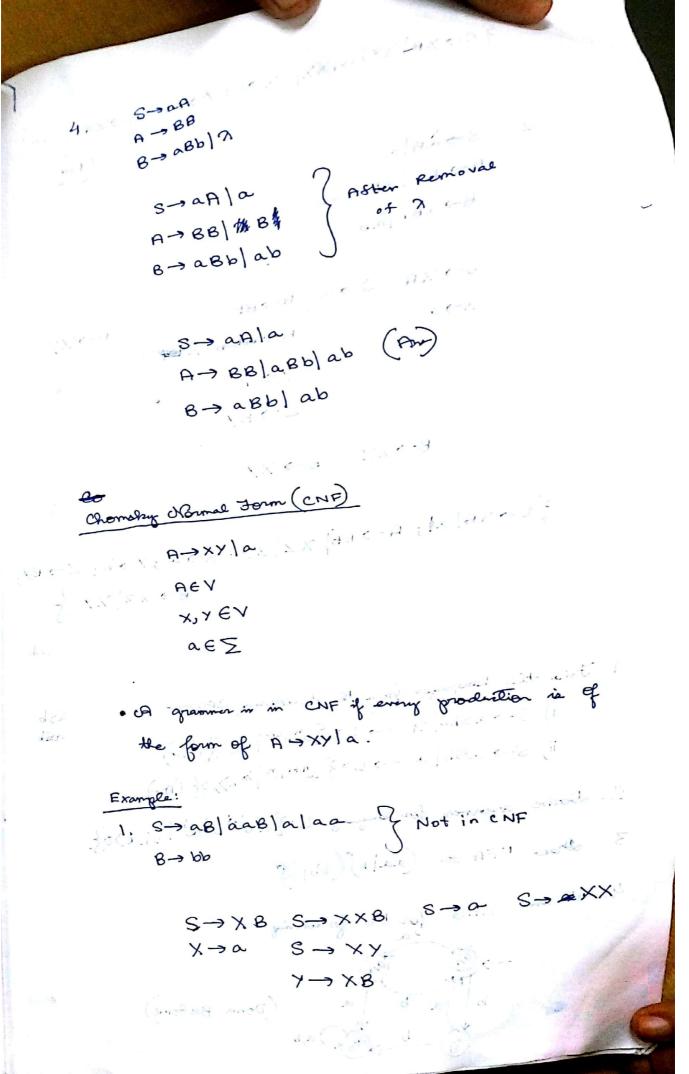
 $S \rightarrow Aal$  albel bb  $B \rightarrow albel bb$ 

· Here B in a so useless symbol.

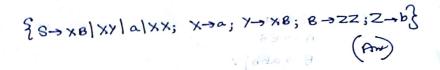
· . it can be removed.

S -> Aalalbelbb (An)

A -> albelbb



Scanned by CamScanner



$$S \rightarrow XA$$
  $S \rightarrow a$   $A \rightarrow BB$   $A \rightarrow XY$ 
 $X \rightarrow a$   $A \rightarrow BB$   $X \rightleftharpoons Z$ 
 $Y \rightarrow b$ 
 $Z \rightarrow BY$ 

(8415) univer - Lore Sil yesteracho {S-XAlal; A-BB, XZ/XY; X-a; Y-b; Z-BY; 8 → × 2/ × × ° aab

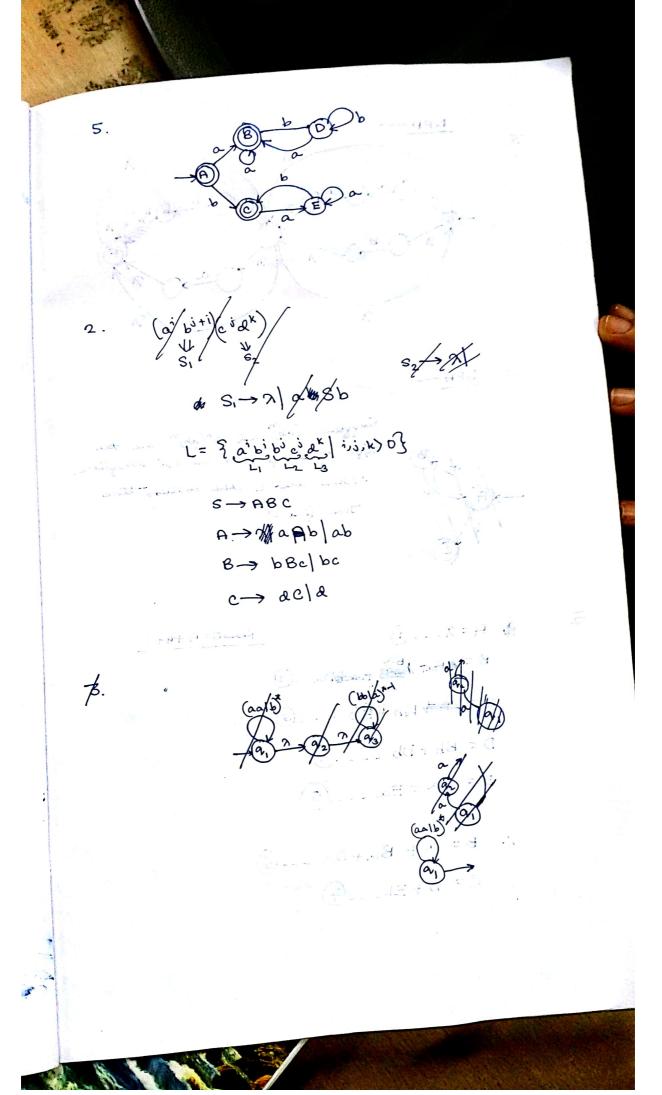
1. Find the languages from the following CFG. asb ash

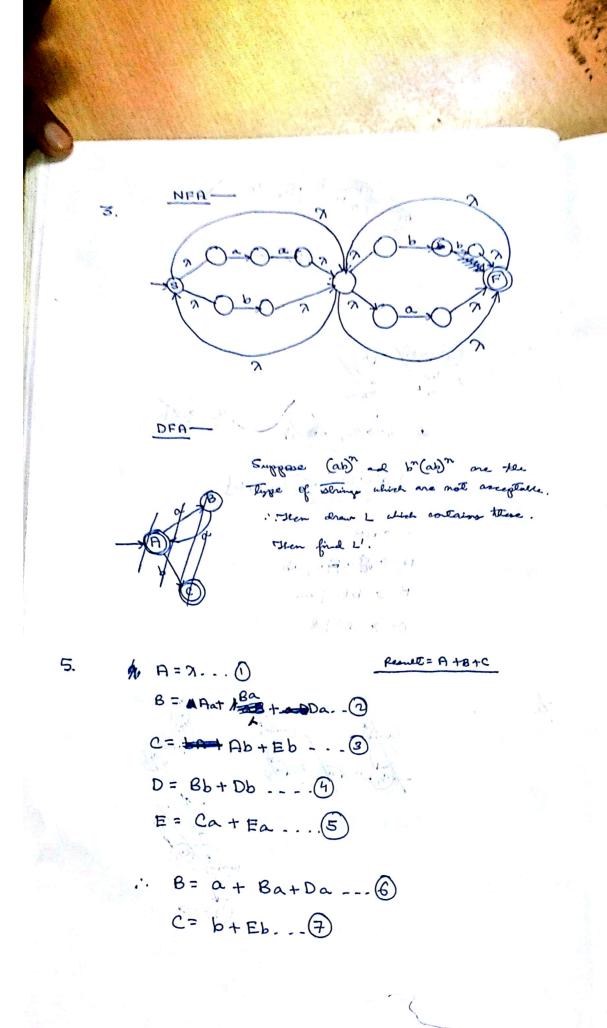
ii) S-> asb|a -> L= { an+1bn | \*n>, of (An)

2. Derive granner for language L= { aibiti ciak | i,i,k) 0}.

3. Draw NFA for (aalb)\*(bb/a)\*

4. Derine RES for the following (Done Before)





## From 4 ,



= Bbb\*



R=g+RP

R = Fgp\*