TOX Assegment -2

S a AS. 16

A > SbA) ba

S long asbAS

S long abbbAS

S long abbbAS

S long abbbAS

Porse tree

S -> sbs/a., String = ababa.
Derevations.

Salabs ababs

Salabs ababs

Salabs ababs

Salabs ababa

Salabas

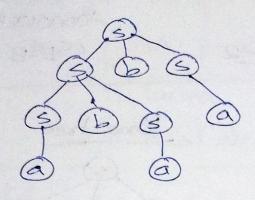
S

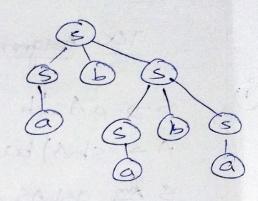
S + SbS

SbSbS

Smy SbSba

florse tree



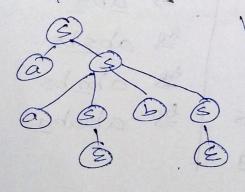


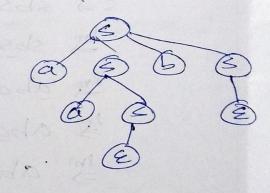
Since the string ababa has more than I alm on our own derivation on more than a poose trae, then G. 95 ambiguous grammes.

s -> as as bs/ 2, storg: cab

(a) poisse trees

3





(b) In derroteon:

a ashs

a ashs

a a shs

a a shs

a a shs

a a shs

a a b z

sh a a b z

sh a a b z

sign asbs

In aasbs

In aasbs

In aabs

In aabs

(C) sim deisvation: s sym as s = asbs a assis m asbe my aasbe in aas m aa EL son aash em oak sign aab 5 > A1B - strpng = 00101 A> DATE B > 0B | 1B | 2 (a) leftmost (b) rightmost derivation · desivatean S B ALB S A1B SO DAIB ALOB

S A1B

S OA1B

S OOA1B

S OOA1B

S OOA1B

S OO10B

S OO1019

S OO1019

S OO1019

4

\$\\\ \alpha \alp

Production seules P 5 -> aA/bA/(s)A

A > +5/05/45/4/2

SIANO 200

Stock Se Stock

POPOS ZE BOROS E.

100 30x3 2 200 300000 2°

10000 25