

ET:2 contd...)

- iii) Remove Useless Symbols:
 - a) Generating symbols: \$5, A, C, D }
 non-Generating symbols: \$B}

Eliminating B: same

->s => aclalalb

A Da AlalcC/c Dablab

C => cC/c/Dablab

D=)alb

b) Unreachable Symbols: { A } Eliminating A:

-> S => a C | a | b C => c C | c | Dab| ab

Dealb

iv) Convert to CNF!

>S=>XaC|a|b

C > Xoc|c|DXab|XaXb

Dalb

Xa=)a

X6 376

To DC

Xab => XaXb

+8-28

final

avend