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Ans to the question No-A

Criven Hal,

 $E \rightarrow DD$ $D \rightarrow FJ|CF|aD|cD$ $F \rightarrow abladIJ$ $J \rightarrow \pi a|a\pi IE$

Formal idefination: Gt = (V, E, P, S) V = (E, D, F, J) $E = \{ab, ad, \pi a, a\pi, E\}$ $P = (E \rightarrow DD, D \rightarrow FJ | cF | aD | cD,$ $F \rightarrow ablad | J, J \rightarrow \pi a | a\pi | E$ $S = \{E\}$ (Aus)

Ans to the question no-6

Criven String = abracadra
Using aiven Instruction:

LMD: E →DD

→FJD

→abTaD

→abracD

→abracFJ

→abrac ad J

->abra eadra

RMD? E-> DD

-> DcD

-> DcFJ

-> Dcadra

-> DcFMO

-> DcAdra

-> DcAdra

-> DcAdra

-> Dcadra

-> Fracadra

-> Abnacadra (Aus)

Ans to the aves no-C

Drawing the parse three for above derivation:

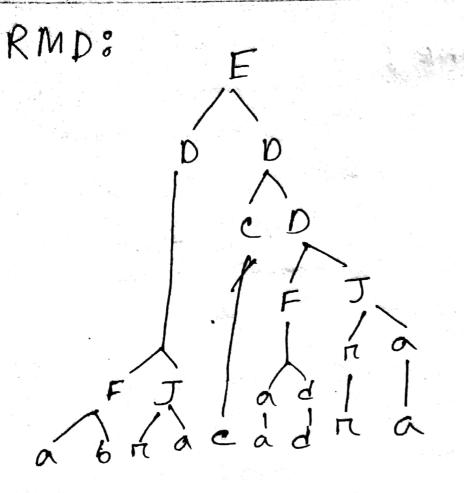
UMD:

E

D

D

Ans



Aus to the question no-d

Ans: The given string is no the grammer ambriguous.

We know, A grammer that produces more than one parse tree for any input sendence is Said to be an ambiguous grammar.

For example: ID+ID*ID

RMD: E+E !L !L

LMD; E E E F F I I I I I I I I

Juis type of input is ambiguous.

So, out given string has no problem to find a value for LMD or RMD.

So, Jais is not ambiguous grammar.

And the state of t