Finding First () & Follow (). Follow A contains set of all terminals foresent immediate ought of A. Rules: - Follow of startsymbolis & 2> S→ ACD; ~ Fo(A) = { \$ ? Fo(A)=)First(C)=){0267 A Isokestornting symbol. Follow (1)=) Fixetoff 3) s -> asbs/bsas/e. Follow of (s) = Esq Follow never contain 6. S -> AaA b/ BbBa. S > a S b S | -> f.(s) => {b., a, \$ S >> f... Fo(B) = { b, n} A > G.  $B \rightarrow \epsilon$ . Pollowofs. => Fo(s) => f) ADFF Fo(A)-First(a) B > E. 5) (E) - $C \rightarrow \epsilon$ 5 Farst (c)  $0 \rightarrow \epsilon$ . E > 6 ) Fo (s) First (A) contains all terminals foresent in first place of every () s → abc/def/ghi (3) First (terminal) = terminal. B-> BC/ghi/jke. (3) Flost (6) => 6. S-ASEE a, b, e, d, e, f.c.  $F(n) = \{a, b, c\} \}$ and  $\{a : b \in A\}$ A salpk a, h, 6 B->0/1/6 C→e/f/6. Ar(s) = {a,b) eg/ eff.G.

E → TE' {il/(3. E'→\*TE'/E. ?\*,E). T>FT' {id, (}. T' - 6/1FT' {6,+} Faid/ ( E Sid) (7 B Parsetable. Bare Strops. a ceptance checkof astning.

1 5-ashs/bsas/z.

a, b \$ a oceptuble S 4/3 2/3 3 5 → (L) | a {(.,a) not el gramman. L→ ŠĽ L'> 6 |, SL' {6,0} {5} LL'Gramman. Z

LR(o) E > T+E/T Toid mes belfore variable means, it's notseen) 80 IO Reduce 3. 0 shift reduce conflict. (SLR(1). > Here instead of wniting reduce step. we will write follows of lett side vanids le. SLRY LP(8) . Red3 Red3

CLR. Parsing table (LRA Cannonical items). S> aAd | bBd | aBe) bAe. S-) . S (augment rule) acceptance stop S).apd, 4 slook J(S'→S.) a> S-> a. ASd, \$] > Antof this S - a Be, \$ Sto. bARy Sylands BSSbB.ds do By. Gold CASSBA.es & do By. Cold CASSBA.es & ex BSSBBdg

ASSBAR

SSBBdg

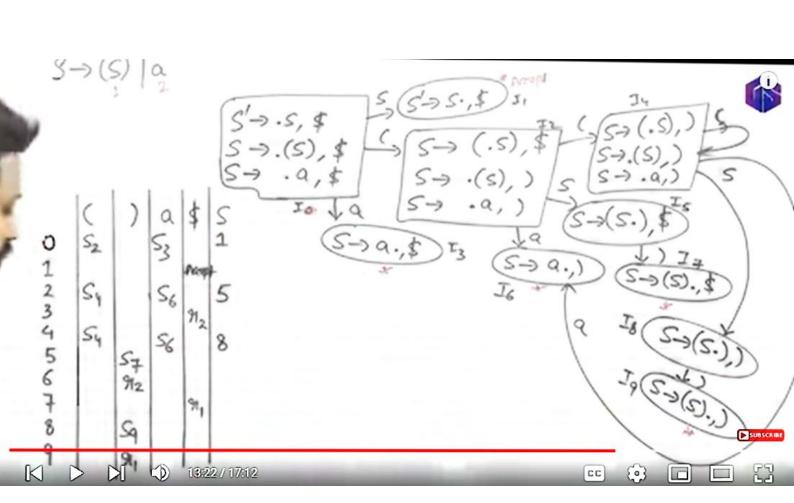
Code

reduce

reduce

greduce

greduce No SR RR confliction Reduce form is written in the lookahead sysmbol.



## LALR < CLRUC.

CLR > no of states in higher than my pamen.

LALR nothing but menging of states of ALR not, thengo carry on.

Of not, I grammen is not LALR.

CLR-> SRX LALR-> SRX.

CPLR -> RRX.

LALR may he on may not be.

