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	Explain different types of translators with example
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7	Types of translators Compiler
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	A character stream inputted by customer goes
19	A character stages inputited by compilation which through multiple stages /phases of compilation which
	at last will provide target large of caracter an
Y.F	exercipple program.
	CACTODONE (DIO)
	-> Interpretes: 111 prentes programming
	Interpretes: 4+ is a pergram which exercises programming
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	-> Pare Parcessos:
	It is a program that processes source
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41 can perform under control of what is setement to as perpenessas command lines as diardive > Macsos: Many assembly language suppost a "maras" facility ushaseby a margo statement will tourstate into sequence of assembly language statement and possibly others make Statement before being teanslated into machine rode. Theretoer, a marso facility is a text apparement efficiently WITH THE CHILD FATTER CHITCHET > Lon hass: 97 15 computers paragram that connects and combines multiple object files to exerte executable file. JEHALLED OD THAT > homes: The loades is an element of operating framework and is taible for loading executable files into memory and imperment them. It can compute size of peogram and generate monary space fourth - (d)

2·b.	3 and FIRST and FOLLOO gets for each
	norteaminal of governous, given
	S -> ABa/bCA
	A > cBCD/9
	B -> CdA /ad
6 273	C > C/E
of twent	D -> bsf/a
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Follow (A) STRST (Ba) U Follow (S)

>> \(\, \, \, \)

> {a,d,e, {} dtd =

follow(R) -> FIRST (a) U FIRST (CD)

-> {a,e, E} EE} O FIRST

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where a applicable is the

-> {a} v {e, 8} - {e} v {b, a}

→ {a, e, b}

follow(c) > FIRST(A) U FIRST(D) U FIRST(dA)

Follow(c)

FIRST(C) -> FIRST(D) UFIRST(dA) UFTRST(A)

-> {b,a,d} USC3 UFOllow(S)

-> {b,a,d} USC3 UFollow(S)

Follow(D) > Follow(A)

5. Show Quadruple, I siple and Indirect triples
for following expression

-(a+b) * (c+d) + (a+b+c)

 $t_1 = a + b$ $t_2 = -t,$

tz = c+d tu=+z * tz

ts = t, +c

to = +4-ts

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4: Find whether following grammas willy S > AB/eDa A >> ab/c C -> eC/8 P -> FD/E S -> AB/eDan ledich and ledich Total District South to any with whater FIRST(a) n FIRST(B) = E \$3 +0 Ada Cadh H to Colden FIRST (AB) -> FIRST(A) (16) 1 min factor 1 mint FIRST (A) -> FIRST(ab) U FIRST (c) - > {ac} : FIRST (AB) -> Eacz FIRST (eDa) + FIRST {e}

OSFIRSTON NFIRST(B) = EQ3 FIRST (AB) N FIRST (Da) => {a,c3 n se} 2 5 43 -. ((()) gramoneg FIRST(S) -> FIRST (AB) U FIRST(EDa) PIRST(A) -> FIRST (ab) U FIRST(c) → {a,c} FIRST(B) -> FIRST EdC) FIRST CC) -> ELRST SEC? UFIRST SE? -> {e, s3 PIRST (D) -> FIRST (F) U FIRST (E) -> SE, 83 Follow(s) -> E \$? Follow (A) > Foll FIRST(B)

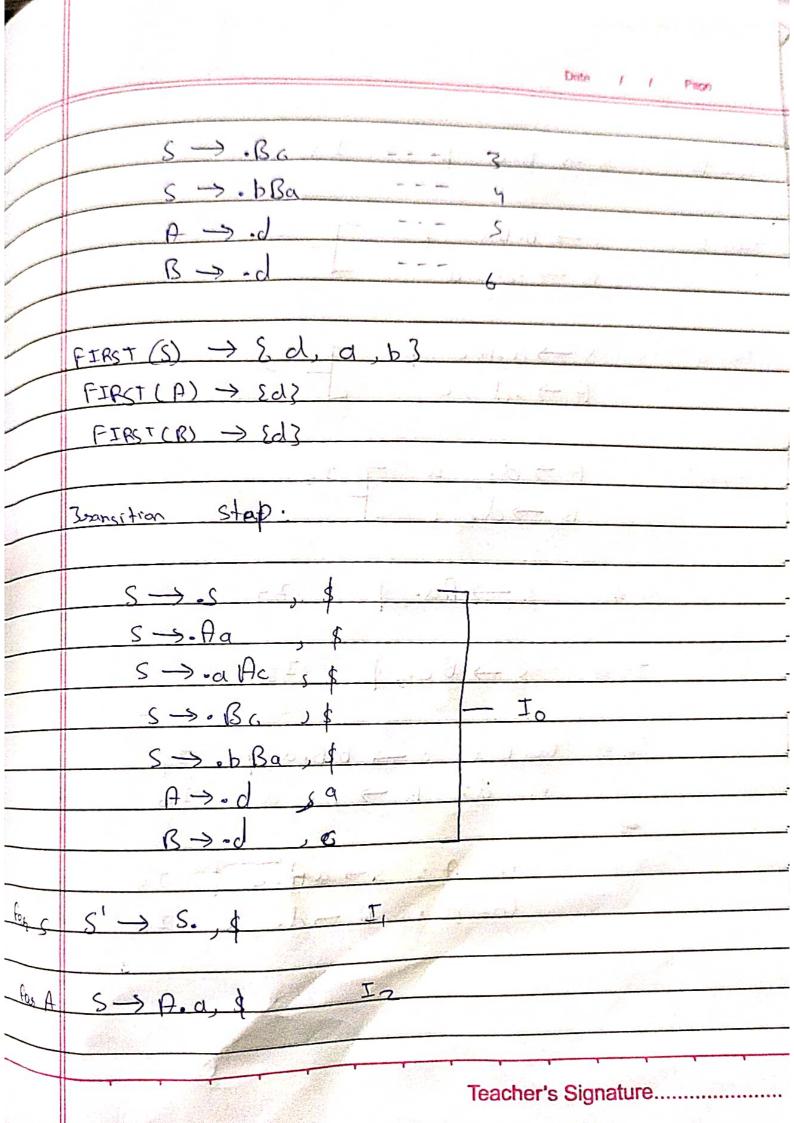
→ Ed?

Follow (B) -> Follow (S)

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por de	- regminals
	Rules to Find Follow.
	by is down a follow of 's' (start symbol)
	- AF AS ABB, B
· .	. If A -> aBB, B1 = E then FIRST(B)is
	in follow(B)
	= GFA > aB og A > aBB where FIRTT(B)=E
	then everything in follow (A) is a follow (B)
	0 4
3]	Constant on LALR(1) passing table for
	following gapamona.
	S- Aa laAc /Bc /BBa
	$A \rightarrow d$
	$B \rightarrow d$
->	s'→s o
	$S \rightarrow A_0$
	5 -> aAc 2
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four B	S -> B.G. S I3
fas b	$S \rightarrow b \cdot Ba$, $q = \sqrt{1}$ $B \rightarrow \cdot d$, $a = \sqrt{1}$
fag a	$S \rightarrow a \cdot \beta \cdot c \cdot k = \frac{1}{2}$ $A \rightarrow a \cdot d \cdot c \cdot c$
Cond	$A \rightarrow d$, a
7	$S \rightarrow Aa., 4 = 7$
	$\underline{t}_3 \Rightarrow S \rightarrow B_{C., 4} = \underline{T}_8$
	for d's B > d. a In
	Is \Rightarrow far $A: S \Rightarrow \alpha A \cdot G, \$ I_{Y}$ for $d: A \Rightarrow d., G I_{IZ}$

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