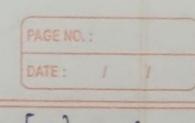
U(1): short out trick

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(i)	Mecessaty conditions for grammas to be LL(1) ate:
	e) Left recurrion absent
	(b) unambiguous grammar
	(c) left-factored grammar.
	Failing any of the above will lead to not will.
	A4
(ii	I Patre table for LL(1) must not contain any
1-1-011	multiple enflier.
3-100	Just and Just of Mill of
Phone (see	A grammet will be LL(1) iff:
	Afor a non-ferminal X,
0 1	x-0 x/1/2//2/10
(7) wallet	Fitst(x), Fitst(x2) Fitst(xn), Follow(x)
	att all mutually exclusive
v ((doern't contain any same =
1	element) # this
	concrondit
Example	=- [\$ 3 3 1] w 894 o 110 10 10 15 walled to "E"
(9)	5-0 9565 6595 E production)
	H12+(2161) = {20}
	First (65ad) = 263 3 = Follow(5) n
3-A	Follow (5)= {\$,9,63} } Fitt (6595) #
	. #
	Passe table will sufely thence, 9 tommer is not will
	have multiple entry



(b) 5-0 ictssila $= \{ii\} \cap \{e\} = \{ii\} \cap \{ii\} \cap \{e\} = \{$

Hency 9 tom mat is

(c) S + a Sa|bS|C# fixst(asa) = [a] 3 No element appearing

Fixst(bs) = {b} or no two will

fixst(cs = {c} hove $\pm \phi$ intersection

and hence LL(1).