

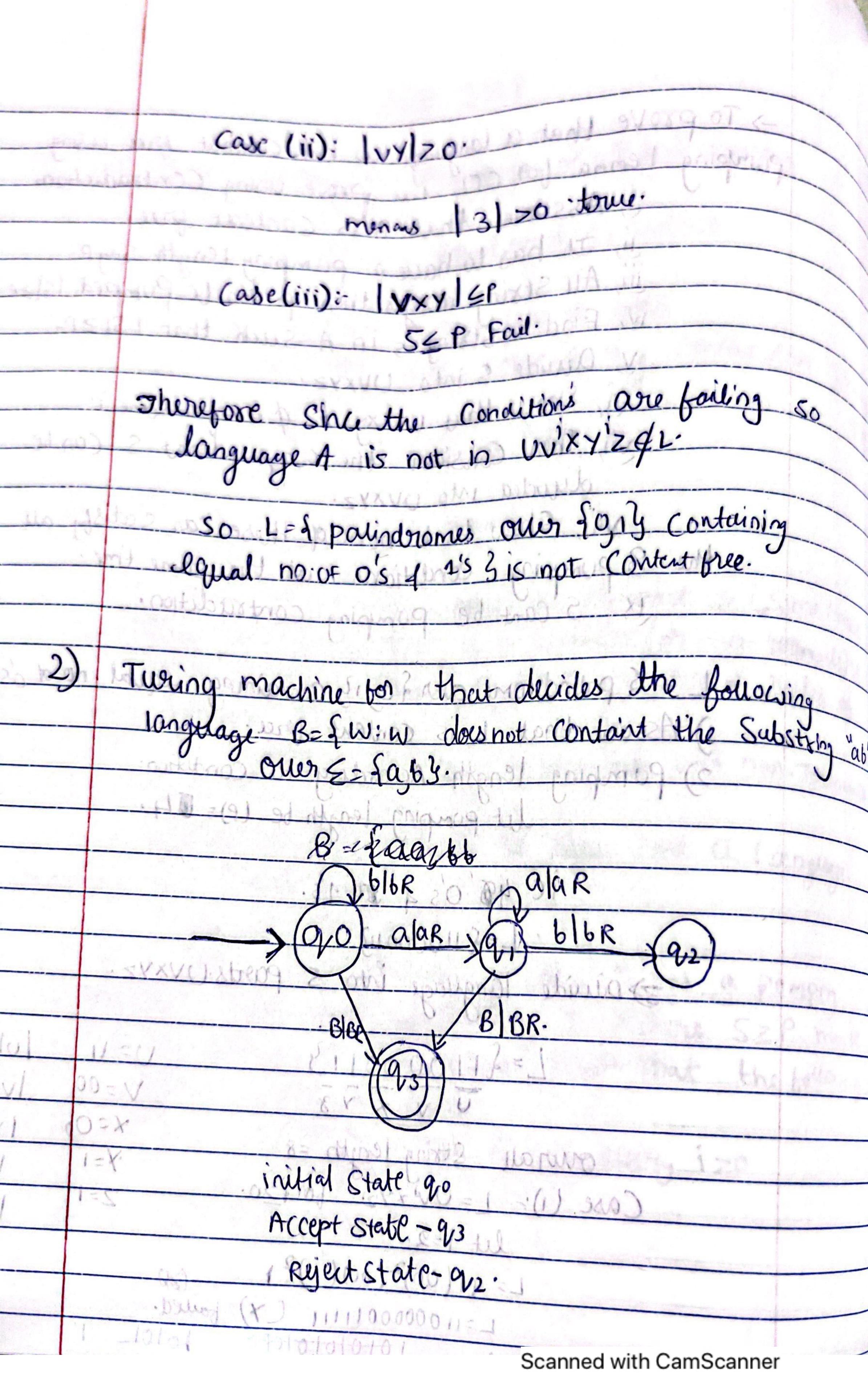
proping Lemma for CFL has prove using Contradiction.

It has to have a prove using Contradiction. List Has to have a pumping length soup.

V. Find a String s in A can be pumped Islze.

C into Live Such that Islze. yi Show that uvixyiz & A for some in the ways that s can be Viii, Show that hone of these can satisfy all the 3 pumping conditions at the same time. = & palindrome over { 0 | 13 Containing equal no or o's 4153 1) Assume that Lis content free. 2) Pumping length According to condition.

Let pumping length be (p)= 14. 1110 45 0's 201541's. 100000113. 3) Dimide language into 5 Parts.UVXYZ, 2000113 U1=2 V=00 V1 = 2 ownall String length =8 x=00 1x1=2 = UV x 421 PM 120. 1=4. 17/=1 2= lut lieg. July month 12/=1. L= 11(00)2(00)(11)21 L=1100000011111 (X) failled. Scanned with CamScanner



	Just Keep & as it is and it times we will	
	-> After b, if a will come then the move right	
	Type of a will come in will move of	
	and will move to	s leis
	-> it after a'b' with com.	
	-> forom que que hill reject	
	move to a 3 chie blank then he s	imply
	> forom go, or he got one blank then he s move to g3 state accept.	
3	P-class:	
3		
a	-> P means pay no mial time. It is a Collection of deciding or oblights with year or a collection of deciding	
	oddens popular of deidi	509
	problems (problems with yes or no onsure) that can be S	olved
	by deterministic machine in polynomial time.	
1	THE PART OF NOT LIVE AND SECTION OF THE PART OF THE PA	
b	Is this true of false. if A < PB and B < P then	AEP.
9-4	Please prove your answer.	
1=11/1	SYNY V	
= [1]	$\rightarrow A \leq PB$	
14/2	Suppose A=PB B belongs to P class. Or AZPB B belongs to P.	
151	OF AZPB B bolones top.	
	January Lor	- Charles and the same of the
18 M	ACC. to P class sule, the problem that inte	xcort blith
	P-class will also belong to P-class.	
	=) AEP classyllion	
	THEP CLOSS III	
	95/5/X/11/200	
	12/2 X 12/2	
	Les lot mo Giotes Found os	
	The way today is not and	