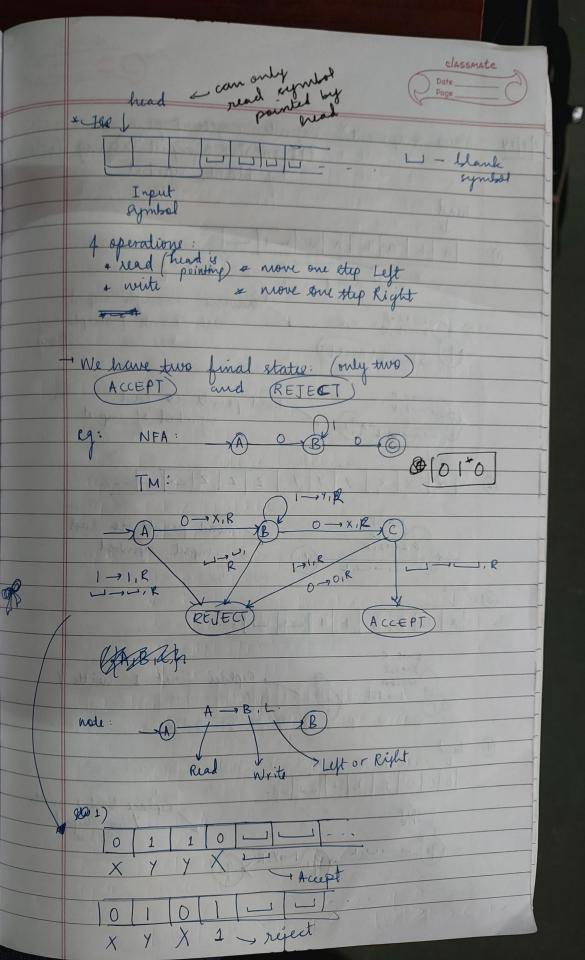
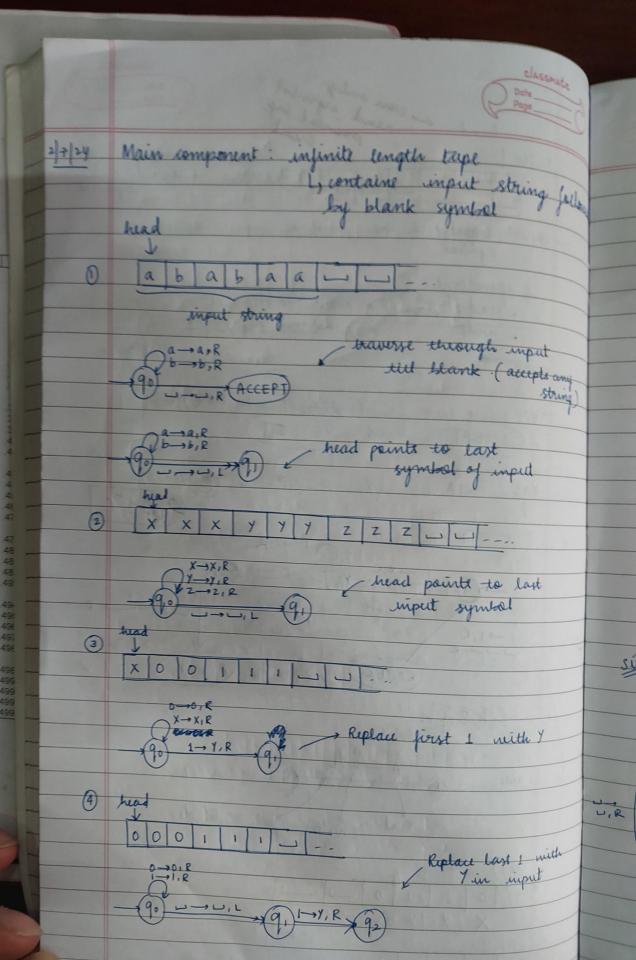
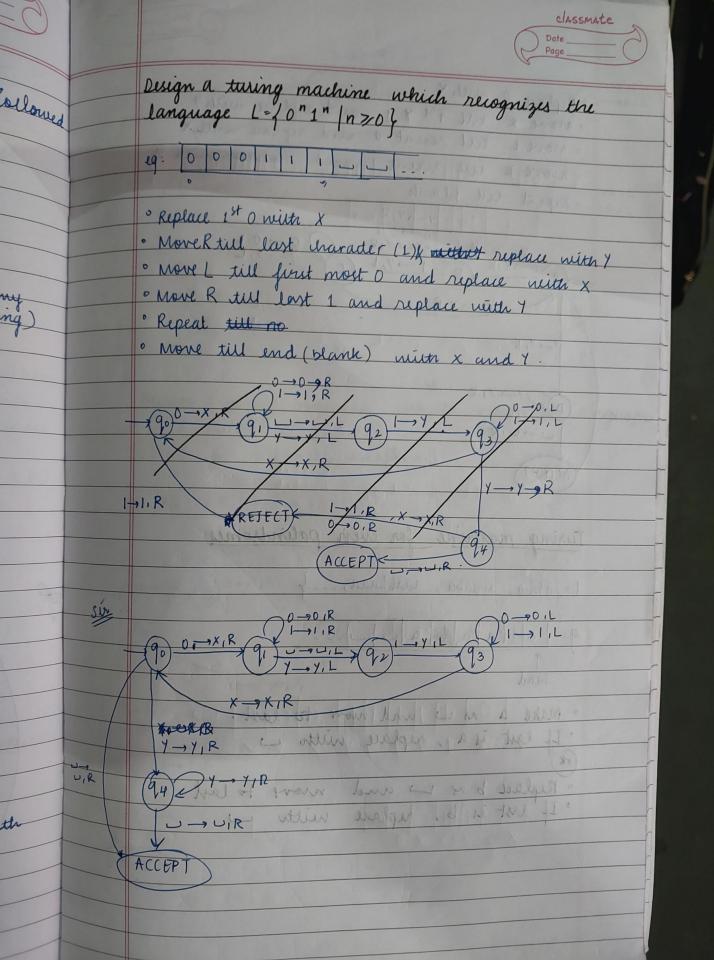


	UNIT-V.	
	fleps: For i=0, uvon xy = uwy = aaaa & L.	
41 41	From above, we proved that given lunguage	
	is not CFL.	
suly	Turing machine infinte lape	
_	It is a mathematical model which consists of	
	infinite length tape divided into cells on which input is given.	1
	- A state register stores the state of Turing marking	
_	After reading input, it is replaced by another	
	symbol, its internal state changes and it more	
	from one cell to the right or left.	
	A TM is described by 7 tuples (Q, K, Z, 8, 90, 8, F)	
	i) &-finite set of states ii) K-tape alphabet (symbols	
	111 6 7 - wout also 1 1 1	
	iv) 8-transition function	
	S: Qx X x y uff shift, right shift	
	V) go - initial state 9(4/K)	
	iv) 8-transition function S: Qx (x) (
	It is [deltriministic] with infinite tape structure	
	Rules of operation	
1		
	At each step of computation, — Read the surrent symbol — Update (is write)	
	the same (ill	
	-> more encutly once one we LEFT or RIGHT	







A

· Replace O with×
· more R till 1st & 1 and replace with
· move L till recent o and replace with
· Nove R tell recent I and replace with y.
· Repeat till blank.
4-11E
NEEDER O-OIL.
A O - XIR B I - YIL C Y - YIL
X - XIP
Y-Y, R
(D) V-YIR
DOY-YIR DINIR
ACCEPT
turing machine for even palindromes
for ever painaromes
= Jabba, abaaba aaahhaaa.
L=dabba, abaaba, aaabbaaa,}
g: [ablaabla]!
g: ablaabla J
g: ablaabla J
g: ablaabla J
g: [ablaabla]]!
Make a as wand more to last. If last is a, replace with with
g: ablaabla J

