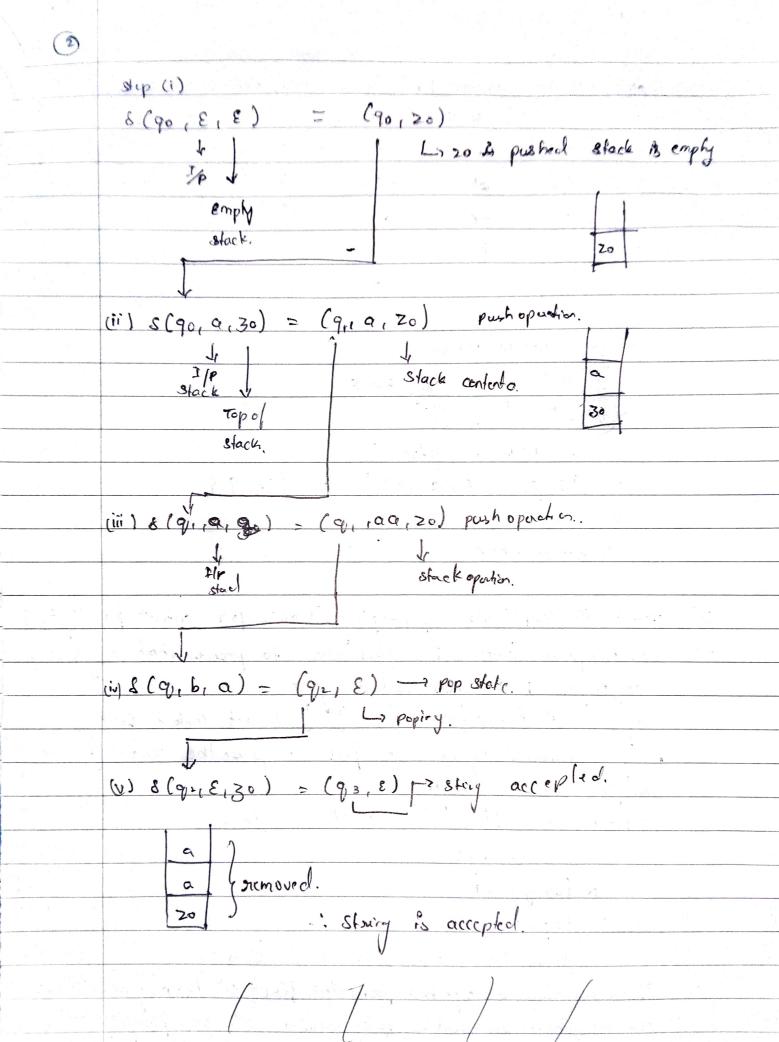
Twining machine is a generalized machine which can recognise all types of canyanges viz , regular conganges, content free larganges, content sensative languages. Twining machine also accepts the longauges generalized from unviestricitéed grammar, turning machille con accept any generalized languages. Turving machine model.

*It is a finite automata connected to read-with head with the following components. * It is a temporary storage and it is divided into cells.

* Each cell can be stored the information of only one symbol. Read - work head -* Reacting / wow find from / to the tape is defermined by control unit * Different mones performed by the machine depends on current Scanned symbol & current securicel symbol & covert state + various moves performed by the machine.

Define CNP & GNP with an example for each? CNF (Chomsky Monmal form) If a cron is in CNF if all production rules satisfy one of the following condition - start symbol generating Ey: A -> E -> A non terminal generating two non terminals G1= & S->AB, S->C, A->a, B->b) Gz= (S-aA, A-a, B-c) Grebach Normal form. A content free grammar, G = (v, T, R, s) à said tobe GINE if away production is of the form A > a< where a GT & a EV & is string of zoro or more variable -> A stan start symbol should generate & Eg. G. = . \$5 - aAB | aB, A - aA | a, B - 1 6B | b} The production rule of Grammar G2 does not satisfy the suches specifical from will as A -> E, B -> E contains & So the grammar G2 is not in GNA 92= (S-) aABI aB, A -) aAI E B-> 68 (E } obtain PBA to accept L= fanbn In >of



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	i.e hence in general CFL is not closed under Intersected.														
	the state of the s														
0	Define language acceptibility of TM?														
A	In F T. A. Go, B, F) be a TM														
	Let M = (412 1110) villed by Mis defined as														
	Define language accepted by Mis defined as Let M = (Q15, T18, 90, B, F) be a TM The language L(M) accepted by Mis defined as L(M) = [whigow] - 2 1 PX 2														
								WE Z* , PEF							
	ie set of all those words win I which causes M to move from start state go to final state P. The language acceptible by TM is called recursively														
								The language succession of							
									enumorable language -> The string w which is the string to be scanned shalled. end with infinite number of blanks						
									-> The string w which is one office						
		end with infinite number of blanks													
	12.7														
- "															

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