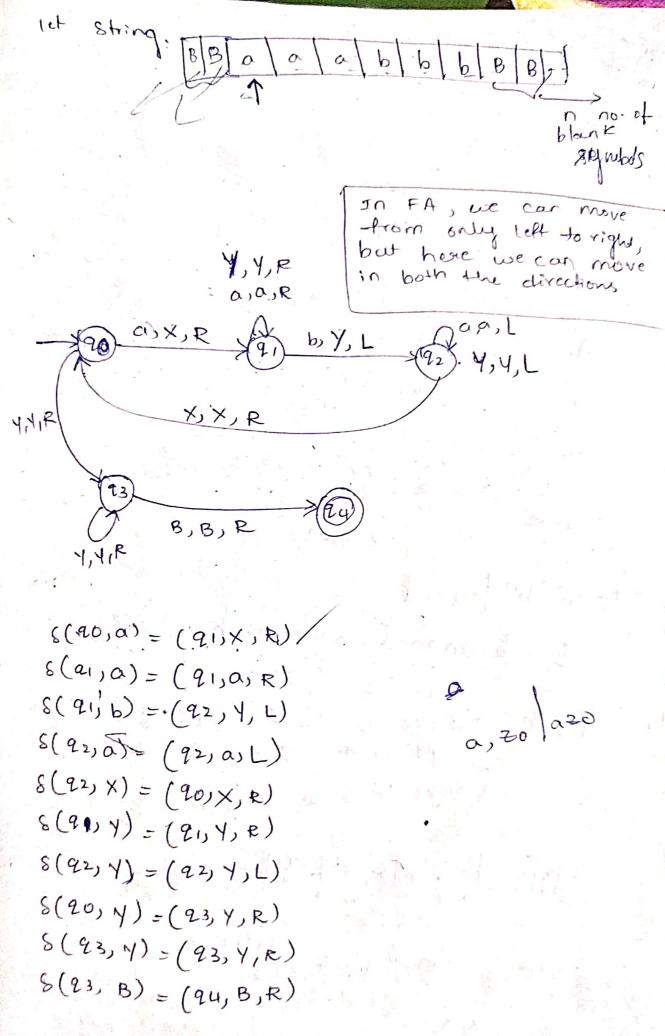
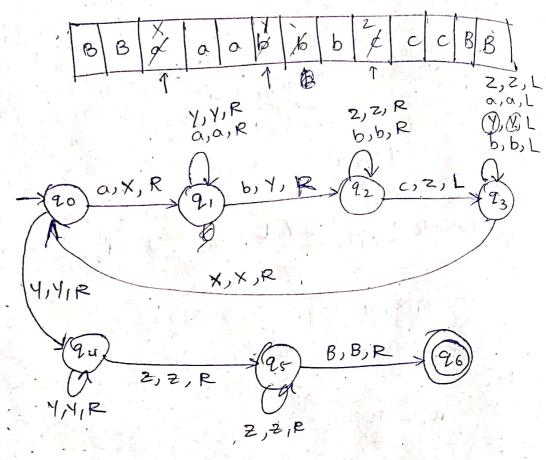
Module-I
Twing machine (AL)
Twing machine accepts or recognized accursity
Recursively Enumerable lounguages.
F.A -> R.L. P.D.A -> C.F.L.
languages, hence we moved to P.D.A to accept infinite languages, but P.D.A only accepts.
languages, but P.D.A only accepts. Simple languages. so, now we moved to T.M. to accept somple languages.
so, now we moved to TM to accept complex
Model ab o b B
PB/B or bB IP terp -> divided into no of cells, where each cell size) Read Stores one cymbo) write head at a time
Finite control unit use for read weite operations only 1 cymbol
contains of this we can move from left - Tight (ax)
present in the from left-right (or) finite Automork
formal Definition: 7-tuples Ext from
TOUGHT V
m=(0,5,1), 8, 90, B, +) [= {aib}
alphabet symbol FICF

8 is transition ful QXPX (L,R) Moving in left - disaction $\underbrace{\varepsilon_{1}} = 8(90, a) \longrightarrow (92, \underbrace{k}, \underbrace{e}) \longrightarrow \text{modify a}$ $S(90,b) \rightarrow (91,4,1)$ b to y Dosign Tusting machine for L= {anb^/ n>1? = = Eab, aabb - - - 3 logic !aabb . It we need (a? -> change a to · Now more head towards right until noe find 'b'. It we need 'b' replace with y. & a × b - How if we need (a), move left d'replace or with x · move right



& L= {anbncn | n≥ 1 g



 $L = \frac{2^{n}b^{n}}{\ln 21.3}$ $L = \frac{2}{3}aab, aaaabb, aaaaaabbb - - - 3$

logic! (i) Make 2 als into 2 x's & more sight until une get bi

(in Make 1 b as y of more left --

