SHISA KUMHRS

220701525 CSE E' CAT-I

Theory of compulation

Pasignment - 3

) L=anbncn m=1

M=3

Qaabbb CCC Δ AqaBbb Ccc Δ AA ABBb CCC Δ

Aaabbb Ccc Δ AAaBbb Ccc Δ AAABBB CCC Δ

Aaabbb Ccc Δ AAaBBB CCC Δ

AaaBbb Ccc Δ AABBB CCC Δ

AaaBbb Ccc Δ AABBB CCC Δ

AaaBbb Ccc Δ AABBB CCC Δ

| Formidian Diagram | (0,0,R) (c,C,R) | |
|-------------------|--------------------|------------|
| (0,A,B) (0,a,R) | 0. | $(c_1(R))$ |
| (b, B, R) | 9,2 cc,c,1 | (D,D,L) |
| (A,AR) | | |
| (C1) | (,L) b, L) | (c, C, b) |
| (b) | B/L) | PACT |
| (a) | (0,6) | |

| 7 | napodien | table | (20) | - | | |
|----|----------|---------|----------|-----------|-----------|-----------|
| F | 10 | A | Ь | B | 10 | |
| 20 | (9,A,R) | | - | - | - | |
| | (9,0,R) | - | (943,R) | (a, B, R) | | |
| 92 | (29)- | - | (92,6,2) | 13 | (92,c,n) | (92,10,1) |
| 93 | V = (| 94/A/L) | 6** | | 92,0,0) | 40 |
| 94 | | | | | alt, (1b) | |
| 95 | (95,9,1) | (0,A,R) | (95,b/L | (45, | L,L) | (45,414) |

| V | #1 | 1 | 11 | t | 1 | 11 | 1 | \$ | |
|---|----|------|----|---|-----|----|------|----|--|
| | 1 | A | Δ | 4 | Δ | t | 1 | Δ | |
| 1 | D | KOJU | | - | WIT | Δ | Δ | Δ | |
| 1 | 7 | 1 | 1 | 1 | | | Deni | | |

= ranstantura =

* some does moved to be performed repeatly which can be done using subrottomet

* The subsolution also called functions

or roch institutionalists after instable go loss out x Etar state another estate marrely the Return stato

* The subsoutines of durning machine north

Chocking sumbols

+ the checking of symbols is an effective way of recogniting the language By turning reching

* The Symbol which divided is marked by a spocial cherestor

* This method is dust by turning machine for grinter between meating that egalignal onto and to compare langer of 2 strings.

programming 7 schniques for Lucing machine There are foundifference dechinques used to construct an afferent durning machine which function as a notingue suframon.

- * Storage un Stale
- * Multiple tracks
- Sulvandener
- * Checking of Symbols

storage un state

* The first control in wood to hold some amount of information and it stores information in frais of element such as amend state and symbol pointed By the ten hoad

state of strange of [X1|X2|X3|X4 X5]

* Uni days of duming anachine can t do doriginal do dere in state with only date from the implies * Each state condain as it sterage intendly.

- > Multiple dosks
- * The fundi controls contain the State and its storage and ampuit trape Tontainis multiple dooks
- + unput type is duuded unto multiple tasks.
- * The winery mo-equivalent to buis the imput March which is the first track which is surrounded.

