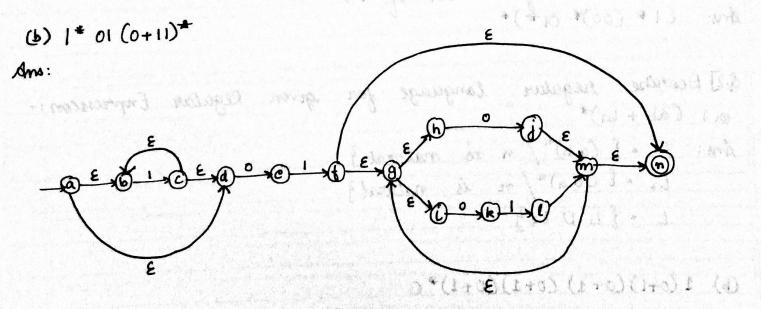
| NAME: Mareena Fernandes Rou No: 8669 | class: SEIT |
|---|---------------------|
| AT TUTORIAL NO: 1 | |
| Q.1] Grive regular expression for:- (a) set of all strings over {a, b, c} to | hat start and end |
| ms: a (a+b+c)* b a (a+b+c)*c b (a+b+c) b (a+b+c)* c c (a+b+c)*a c (a+b+c)* | |
| (b) Set of all strings over {0,1} having 0's and any number of l's. drs: (1* (00)* 01*)* | (b) (* 01 (0+11)* |
| Q.2] Aurère regular language for given | Regular Empression: |
| dns: $Li = \{(a,b)^n / n \text{ is matural } \}$ $L^2 = \{(b,a)^n / n \text{ is matural } \}$ $L^2 = \{Li \cup L^2\}$ | |
| (b) 1 (0+1) (0+1) (0+1) *O | |
| Ams: $L_1 = \{1\}$ $L_2 = \{0\}$ $L_3 = \{(0+1)^n / n > = 3\}$ | |
| L· [L. Lz. Lz] | |

19.3] If $L(n) = \{aaa, aab, aba, abb, baa, bab, bba, bbb\}$, find the negular expression a which represents L(n).

Ans: R.E = (a+b)(a+b)(a+b) ar $(a+b)^3$

Q.4] Draw E-NFA for the following regular empression:

(a) $(0+1)^{\frac{1}{2}}$ (b) $(0+1)^{\frac{1}{2}}$ (c) $(0+1)^{\frac{1}{2}}$ (d) $(0+1)^{\frac{1}{2}}$ (e) $(0+1)^{\frac{1}{2}}$ (f) $(0+1)^{\frac{1}{2}}$ (g) $(0+1)^{\frac$



Esternia de la constante de la