| The state of the s | 21011.0 |
|--|-------------|
| Rohan Nyati 500075940 R177? | 417148 |
| Batch-5 (Alb ML) | |
| | 0 |
| I stomature & grangement lamosa I | nowy |
| 8.1 Find the regular expression | Correspon |
| residence realupar aft bail [1.8] | |
| | |
| $-\frac{1}{2}$ | |
| $a \downarrow a, b$ | |
| (B) (E) | |
| $C = E \setminus D \cap C$ | |
| S = E + B Q - D , B = F b - C $A = SQ + Rb - (B) + F = KQ + b - C$ | (G) |
| | |
| :. A = a+Baa+Bb = (3) Jusing Equil's | · Equiv) |
| : A = a + Fbaa+ Fbb-(6.) [using ea | (in) by |
| :. F = (a+Fbaa+Fbb) (a+b) | 1- |
| = 9(a+b) + F(a+b) (baa+bb) | |
| which is of the form | |
| $R = 80 + RP^{V} \Rightarrow R = 8P^{*}$ | |
| | |
| : F = a(a+b)[a+b)(baa+bb) | - <u> </u> |
| | |
| Reg. Regulare Exch. | |
| | |

Q.2) Comest NFA-e given in fig to DFA NFA transition Table 0 \$1,2,3,4 Φ ٤1,2,3,4 {1,2,3,4 {1,2,3 {1,2,3,4

Eliteration Court examine William Made





