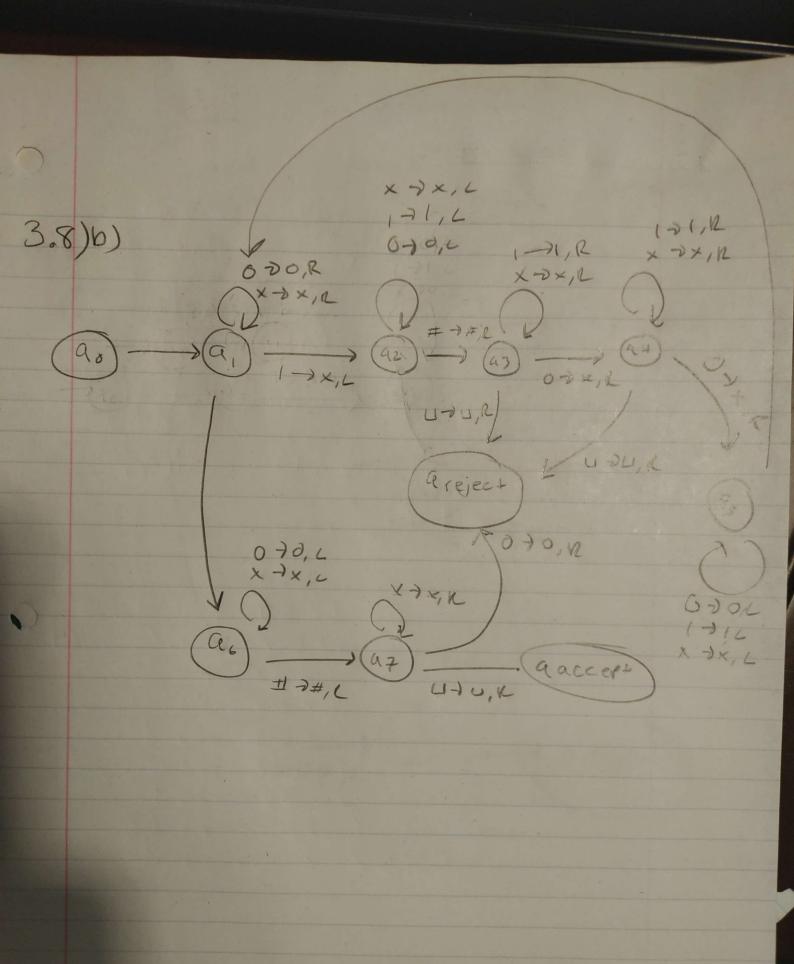
```
3.1 6) * (9,,00)
     * (az, LO)
     * (93, WXU)
     R Lais, UXLLI)
     * (as, UXU)
     * (a21 U×U)
    * (a2, UXU)
    O ( Paccept, LX LL L)
     (Laccept, UXULI)
     1) (2, 1#1)
      2) (43, x #1)
      3) (qs, x # 1)
     4) (96, x # x)
      5) (q+, x #x)
      6) (q1, X #x)
      7) (98, X#X)
      8) (48, X4X4)
      a) (qacap+, X # X U U)
```

3.2)c) 1) (a,, 1##1) 2) (a,, x##1) 3) (a,, x##1) 4) (a, reject, x##1)

3.5) a) Yes. The tape M contains U. Turing machine can write any char a its tape

b) No. & never contains U. But T contains

c) Ves. If the Turing machine moves its head to the left-end it stays in the same cell d) No. A Turing muchine must have distinct states: queept 3 greject



accept and reject states 2 x+x,L XXX 171,6 010,2 1-1,8 010,6 X 7 X/R () 1, R 3.8 C) #7#,1 (92) (03 474 gaccept 大りかり、し X DX,L 070,6 JX, R 06 ٥ サナサル 19