2602195136 - Harry Herman
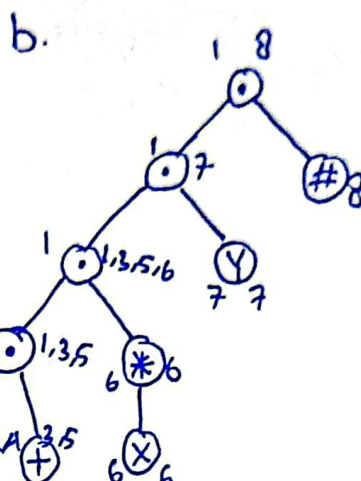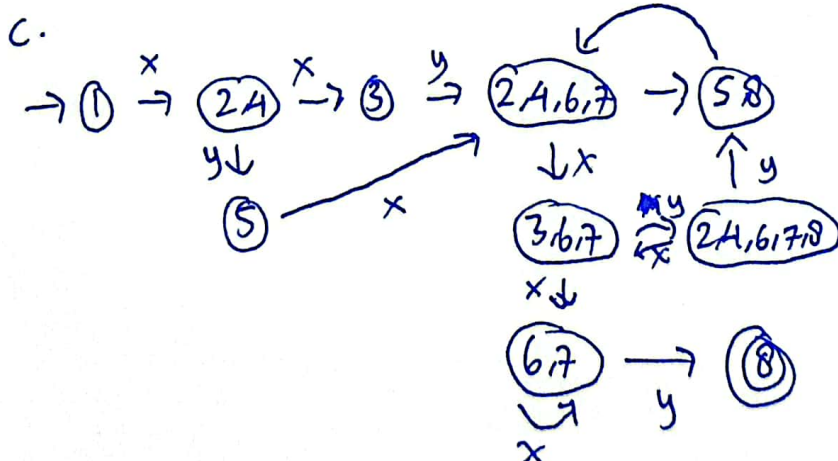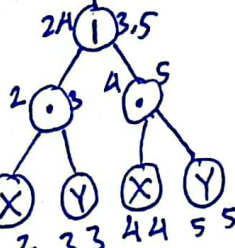
1. RE = X.(X.Y|Y.X)$^+$.X.Y.#
    1 2 3 4 5 6 7 8

a. FP (1) = (2,4)
  FP (2) = (3)
  FP (3) = (2,4,6,7)
  FP (4) = (5)
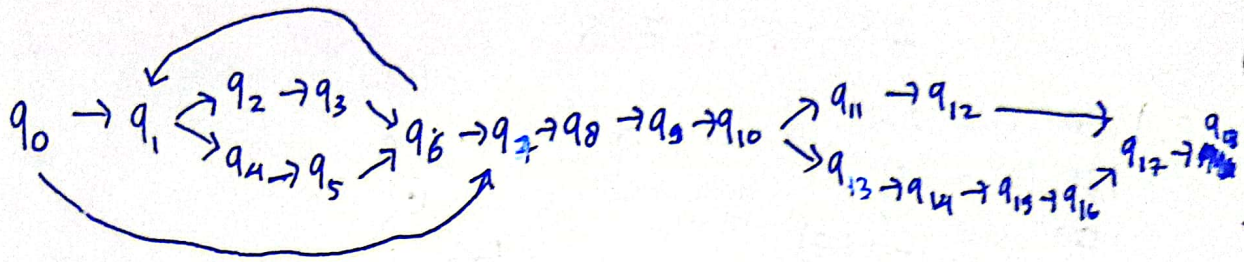 FP (5) = (2,4,6,7)
  FP (6) = (6,7)
  FP (7) = (8)
  FP (8) = (-)

b.

State	X	y
1 2,4	2,4	— 5
3	3	5
2,4,6,7	3,6,7	2,4,6,7 5,8
5	2,4,6,7	—
3,6,7	6,7	2,4,6,7,8
5,8	2,4,6,7	—
6,7	6,7	8
2,4,6,7,8	3,6,7	5,8
8	—	—

c.

Dipindai dengan CamScanner

2. RE = $(a|b)^* a(b|ab)^+$

a.

b.

$q_0 = 0,1,2,4,7,8$

$q_1 = 1,2,4$

$q_2 = 2$

$q_3 = 1,2,3,4,6,7,8$

$q_4 = 4$

$q_5 = 1,2,4,5,6,7,8$

$q_6 = 1,2,4,6,7,8$

$q_7 = 7,8$

$q_8 = 8$

$q_9 = 9,10,11,13$

$q_{10} = 10,11,13$

$q_{11} = 11$

$q_{12} = 10,11,12,13,17,18$

$q_{13} = 13$

$q_{14} = 14,15$

$q_{15} = 15$

$q_{16} = 10,11,13,16,17,18$

$q_{17} = 17,18$

$q_{18} = 18$