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6311 COMPTech

1. DISTRIBUSI EKVIVALENCE EXPRESSION (E.E) BERIKUT INI :

$$X (xy|yx)^+ x^+ y$$

a. TENTUKANLAH FOLLOWING DAN LE FOLLOWING

b. BUATKAN SYNTAX TREE (UNTUK STRUKTUR PARSING, LAST POS & FIRST POS)

c. BUATKAN TABLE PER DARI DISTRIBUSI HASIL DARI

$$d. X \cdot (xy|yx)^+ x^+ y \cdot \#$$

Follow for (1) = {2,4}

Follow for (2) = {4}

Follow for (3) = {2,4,6,7}

Follow for (4) = {5}

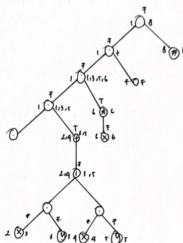
Follow for (5) = {2,4,6,7}

Follow for (6) = {6,7}

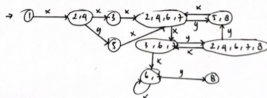
Follow for (7) = {8}

Follow for (8) = {-}

STATE	x	y
→ 1	2,4	-
2,4	5	5
3	-	2,4,6,7
5	2,4,6,7	-
2,4,6,7	5,6,7	5,8
5,6,7	6,7	2,4,6,7,8
5,6,7	2,4,6,7	-
6,7	6,7	8
2,4,6,7,8	5,6,7	5,8
8	-	-



c.



2. DISTRIBUSI EKVIVALENCE EXPRESSION (E.E) BERIKUT :

$$(ab)^+ a (b|ab)^+$$

a. BUATKAN TRANSITION CONSTRUCTION DARI LE FOLLOWING

b. BUATKAN SYNTAX TREE DARI E-LEVA YANG DIPEROLEH DARI FOLLOWSHIP DARI POIN A.

$$c. (ab)^+ a (b|ab)^+$$



b. FOLLOWING (a) = {0,1,2,3,4}

FOLLOWING (a) = {1,2,3,4}

FOLLOWING (a) = {2}

FOLLOWING (a) = {3}

FOLLOWING (a) = {4,5,6,7,8,9,10,11}

FOLLOWING (a) = {5,6,7,8,9,10,11}

FOLLOWING (a) = {6,7,8,9,10,11}

FOLLOWING (a) = {7,8,9,10,11}

FOLLOWING (a) = {8,9,10,11,12}

FOLLOWING (a) = {9,10,11,12}

FOLLOWING (a) = {10,11,12}

FOLLOWING (a) = {11,12}

FOLLOWING (a) = {12}

FOLLOWING (a) = {-}

FOLLOWING (a) = {9,10,11}

FOLLOWING (a) = {10}

FOLLOWING (a) = {11}

FOLLOWING (a) = {12}

FOLLOWING (a) = {13,14,15,16}

FOLLOWING (a) = {14,15,16}

FOLLOWING (a) = {15,16}

FOLLOWING (a) = {16}

FOLLOWING (a) = {-}

FOLLOWING (a) = {-}

FOLLOWING (a) = {-}

FOLLOWING (a) = {-}

FOLLOWING (a) = {-}

FOLLOWING (a) = {-}

STATE	a	b
E1	4,8	5
E4,8	6,14	13
E6	-	-
E6,14	14	13,15
E13	-	-
E14	-	15
E14,15	14	13
E15	14	13

