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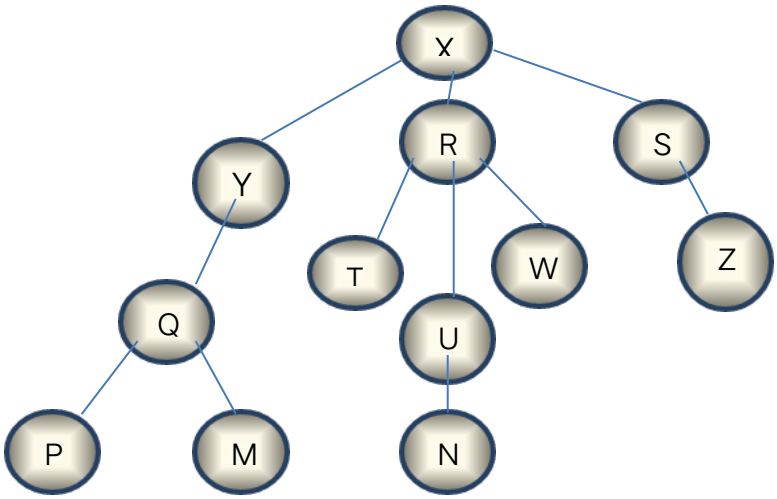
NIM : 19051397017

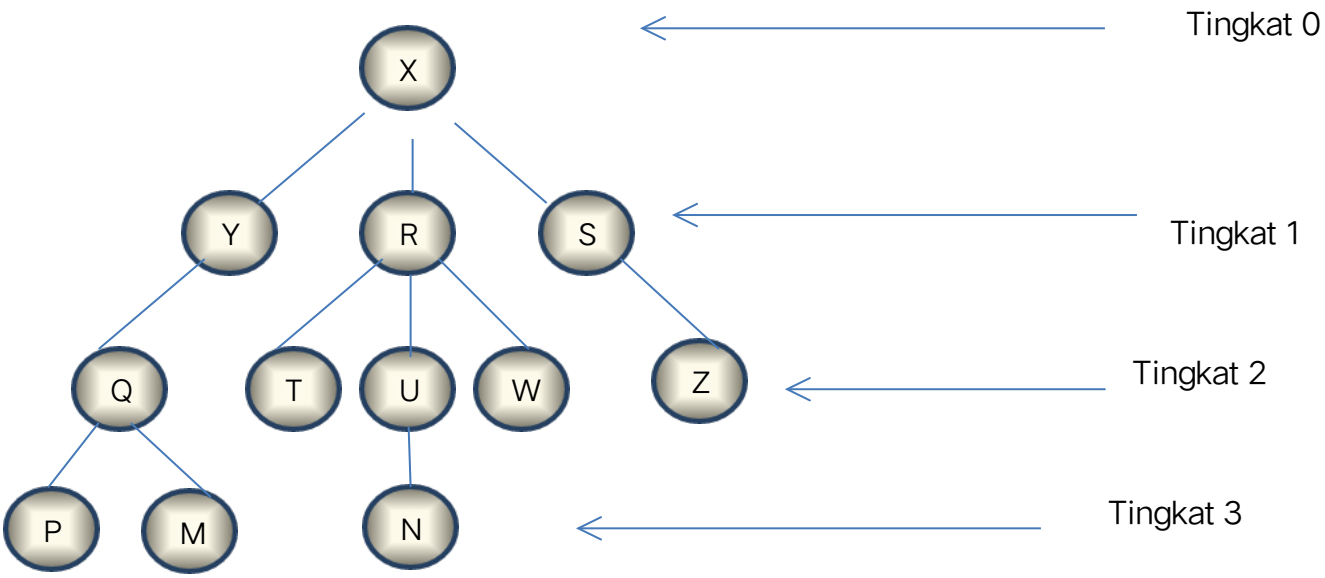
KELAS : D4 MANAJEMEN INFORMATIKA 2019 A

BAB 10 TREE AND BINARY TREE

1. Buat diagram venn, notasi kurung dan notasi tingkat!

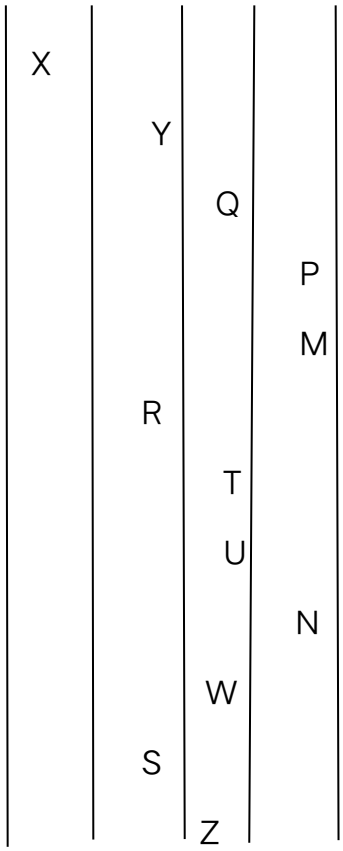


A. Diagram Venn



X
Y
Q
P
M
R
T
W
U
N
S
Z

B. Notasi Tingkat



C. Notasi Kurung

(X (Y (Q (P, M)), R (T, U(N) W)), (S (Z)))

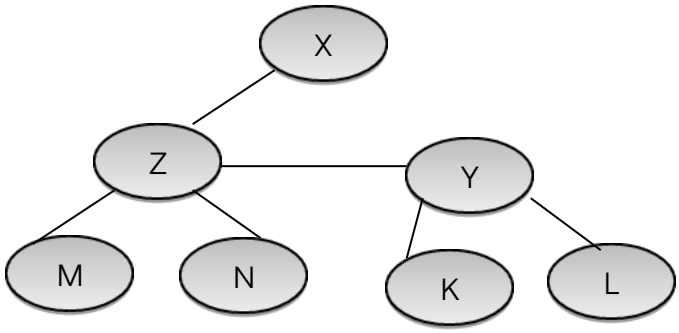
IDENTIFIKASI !

- Ancestor (N) = U, R, X
- Descendant (Y) = Q
- Parent (Z) = S
- Child (Q) = P, M

- Sibling (U) = T, W

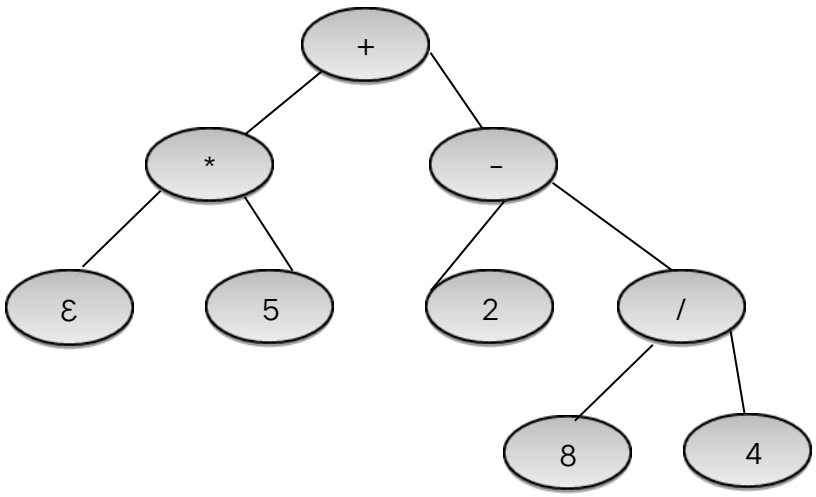
- Size = 12
- Height = 4
- Root = X
- Leaf = P, M, N, Z
- Degree (R) = 3

2. Gambarkan pohon biner dengan kententuan sbb :
    - Ancestor (M) = Z, X
    - Descendant (Y) = K, L
    - Parent (N) = Z
    - Child (Z) = M, N
    - Sibling (Y) = Z
    - Size = 7
    - Height = 3
    - Root = X
    - Leaf = K, L, M, N



3. Telusuri pohom biner berikut dengan menggunakan metode pre, in, post !

   a. Latihan 1

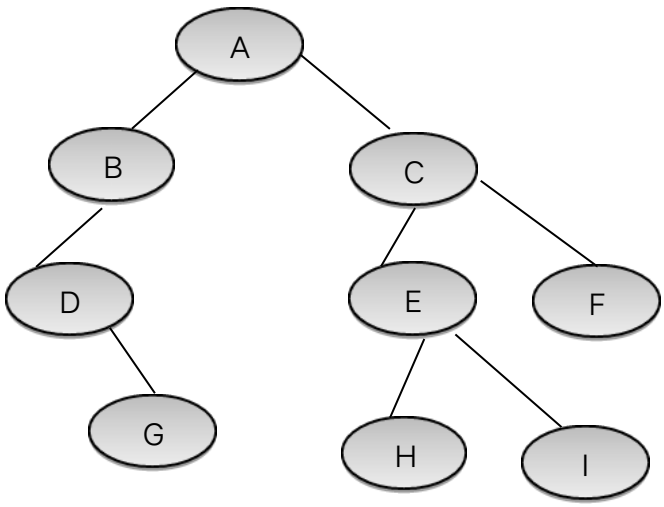


Metode pre : 3 * 5 + -2 / 8 4

Metode in : 3 * 5 + 2 8 4 / -

Metode post : 3 5 * 8 4 2 / -+

   b. Latihan 2



Metode pre : G D B A C E H I F F

Metode in : D A G B E H I F C

Motede post : G D B H I E F C A