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Prodi : D4 Manajemen Informatika

LATIHAN TREE

Latihan

- Buat diagram venn, notasi kurung dan notasi tingkat!

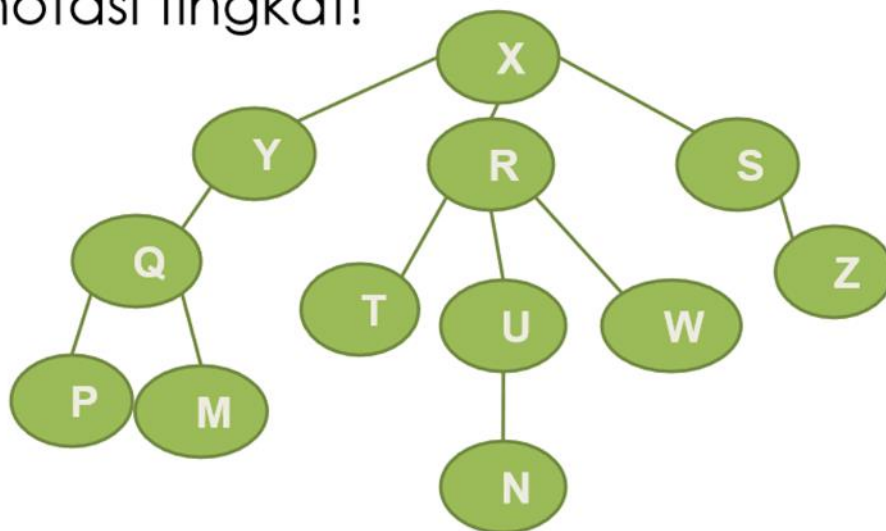
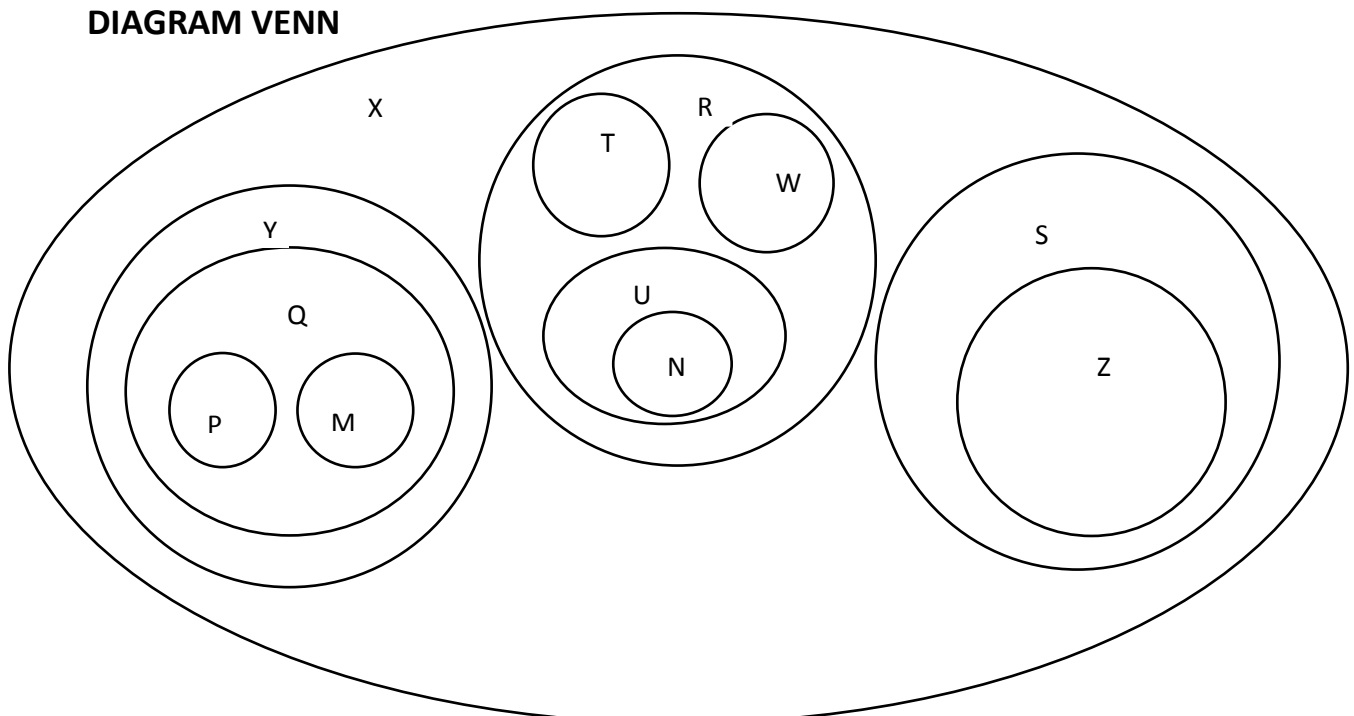
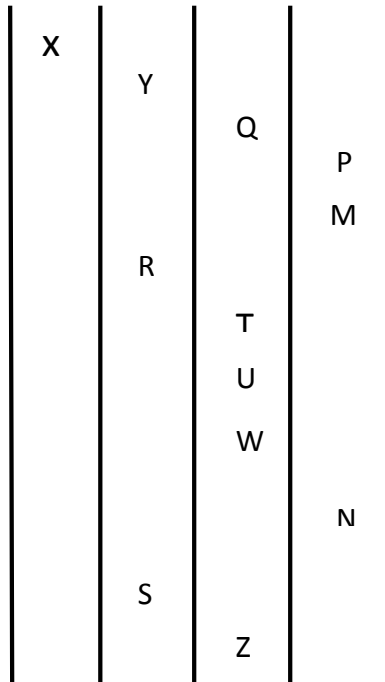


DIAGRAM VENN



NOTASI TINGKAT



NOTASI KURUNG

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

Identifikasikan !

- 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,T,N,W,Z

Degree (R) = 3

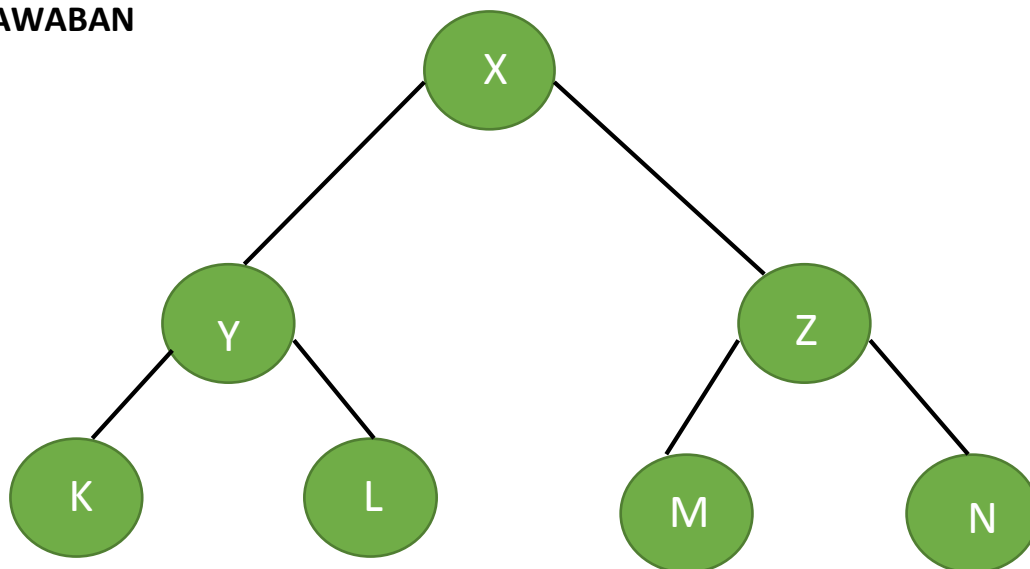
LATIHAN BINARY TREE

Latihan

- Gambarkan pohon biner dengan ketentuan 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

JAWABAN

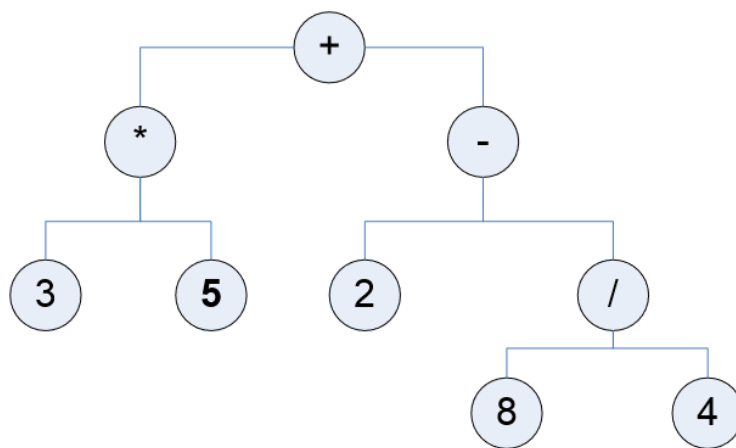


LATIHAN PENELUSURAN BINARY TREE

Latihan

- Telusuri pohon biner berikut dengan menggunakan metode pre, in, post !

Latihan 1



JAWABAN

1. METODE PREORDER

+ * 3 5 - 2 / 8 4

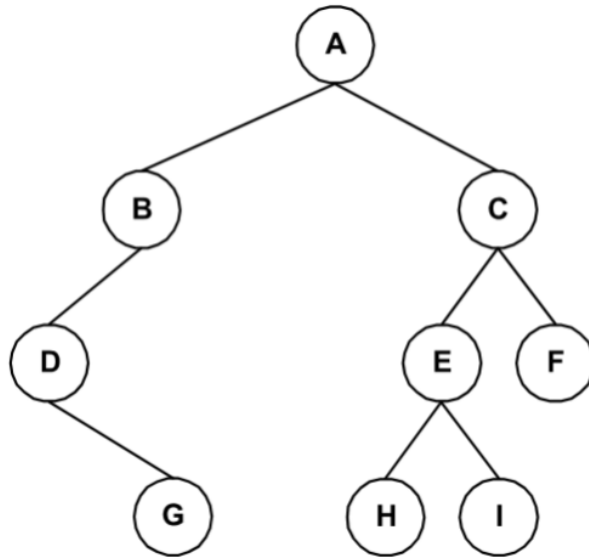
2. METODE INORDER

3 * 5 + 2 - 8 / 4

3. METODE POSTORDER

3 5 * 8 4 2 / - +

Latihan 2



JAWABAN

1. METODE PREORDER

A B C E H I F D G

2. METODE INORDER

G B D A C F E I H

3. METODE POSTORDER

G D B A H I E F C