

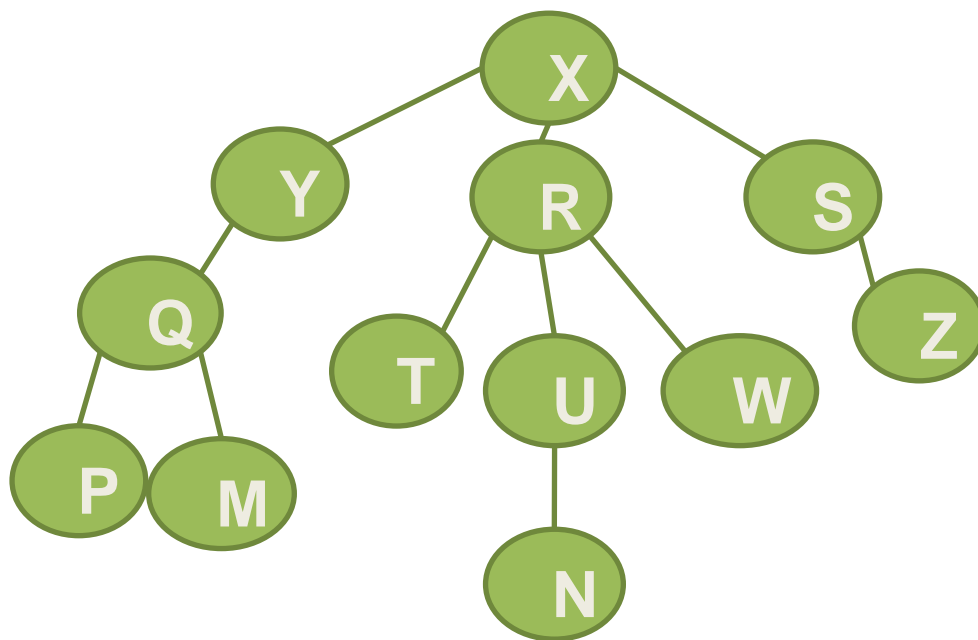
Nama : Moh Ibnu nadhir

Nim : 19051397020

Prodi : D4 Manajemen Informatika A

Bab 10 Tree

Latihan



Ancestor(T) = R,X

Descendent(R)=T,U,W

Parent(P)=Q

Child(X)=Y,R,S

Sibling(T)=U,W

Size=12

Height= 4

Root=X

Leaf=P,M,N,Z

Degree(Q)=2

Latihan

Buatlah diagram ven ,notasi tingkat dan notasi kurung

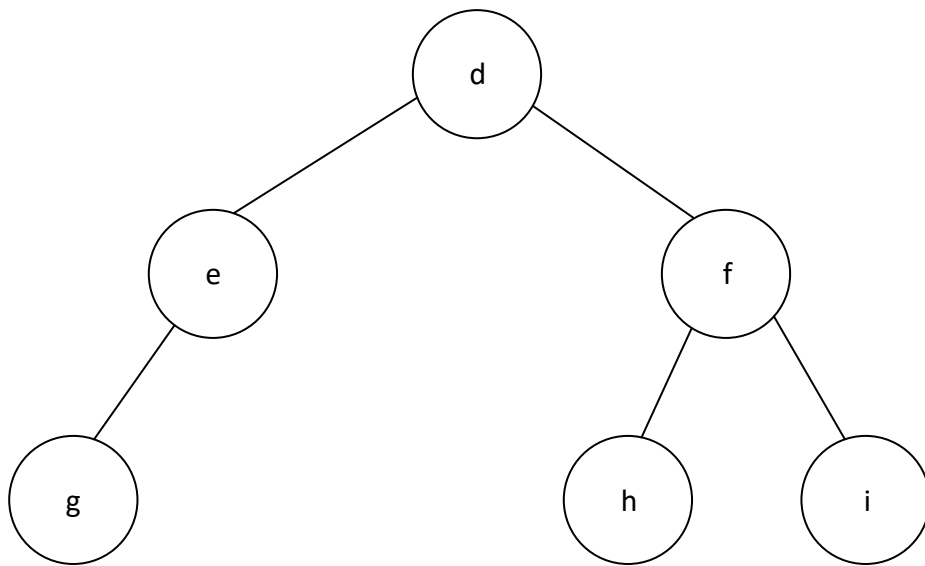
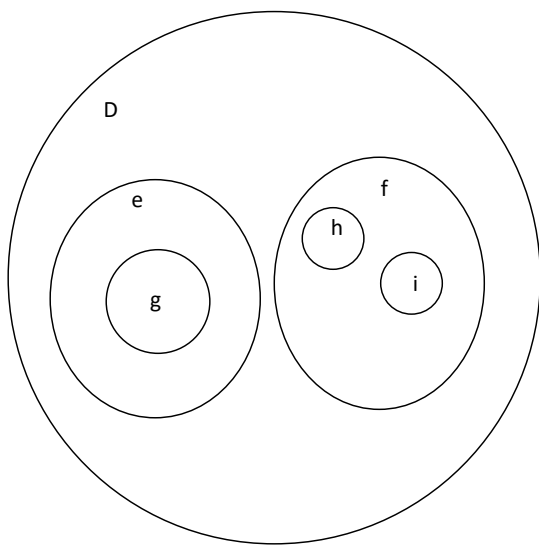


Diagram ven



Notasi tingkat

| | | | |
|---|---|---|--|
| d | e | | |
| | f | | |
| | | i | |
| | | h | |
| | | g | |

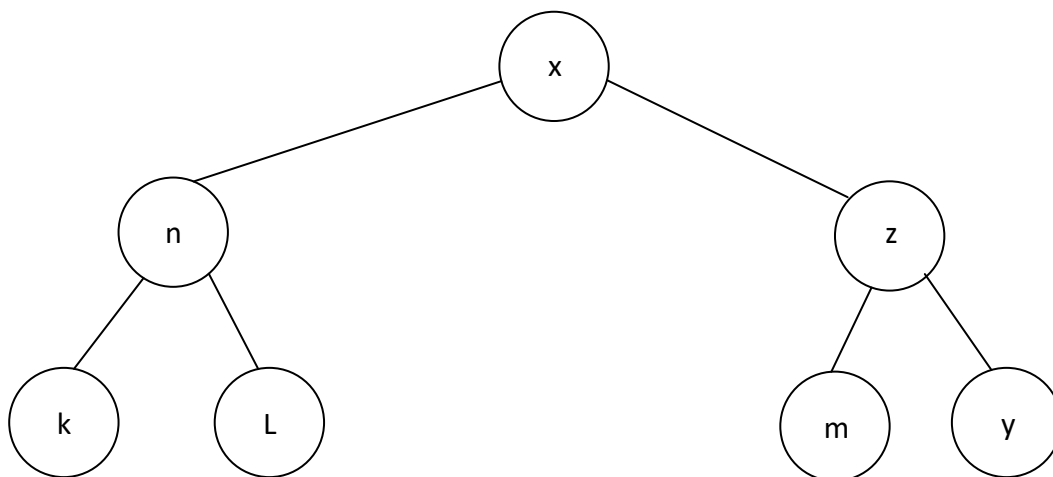
Notasi kurung

$(d(e(g)), f(h(i)))$.

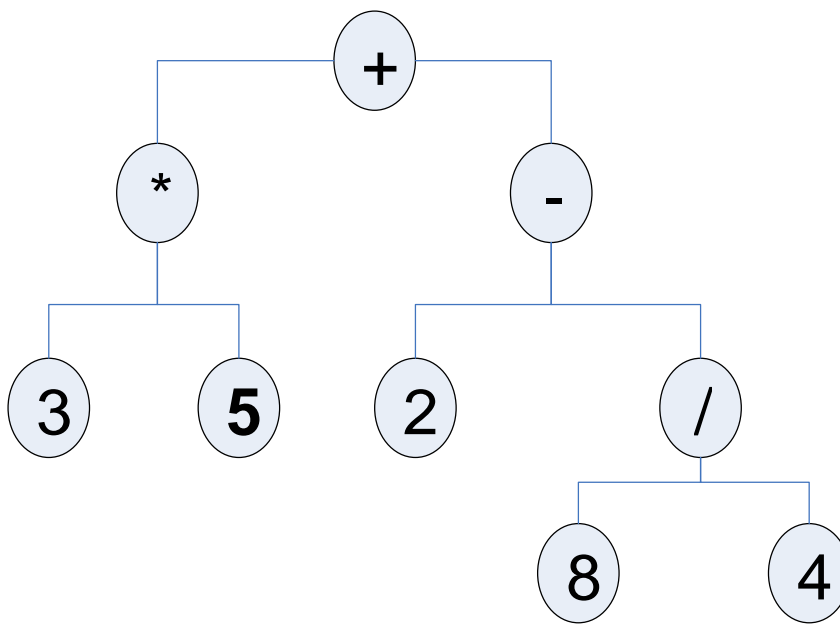
Latihan

• 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



Latihan 1



Preorder Of Expression Tree

$3 * 5 + 2 - 8 / 4$

Void preorder(pohon ph)

{

 if(ph!=NULL)

{

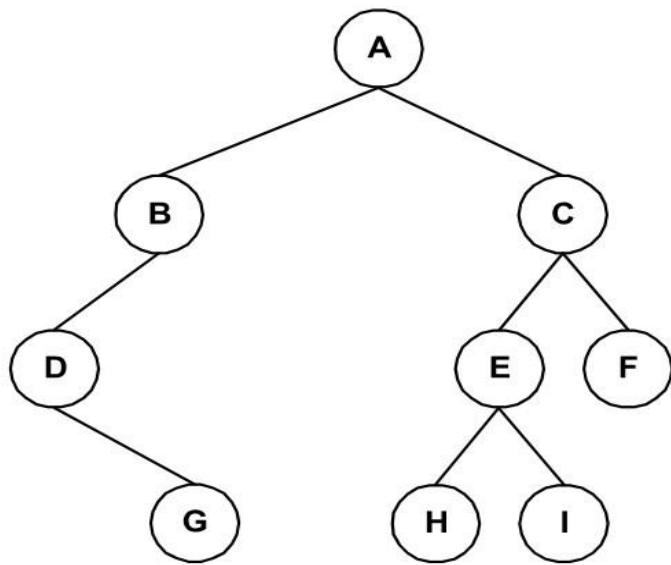
 Cout<<("%c",ph->info);

 Preorder(ph->kiri);

 Preorder(ph->kanan);

}

- Inorder Traversal = $3 * 5 + 2 - 8 / 4$
- Postorder Traversal = $3 5 * 8 4 / 2 - +$



Latihan 2

- Preorder Traversal = A B D G C E H I F
- Inorder Traversal = G D B A H I E C F
- Postorder Traversal = G D B H I E F C A