

Otniel Iuliano

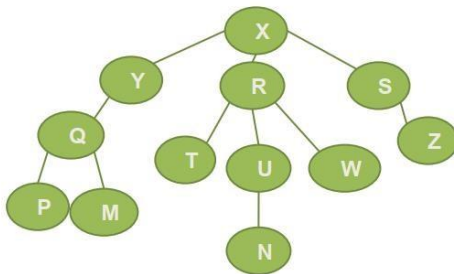
19051397028

D4 MI 19 A

TUGAS BINARY TREE



Latihan



Tenia Wahyuningrum & Sisilia Thya

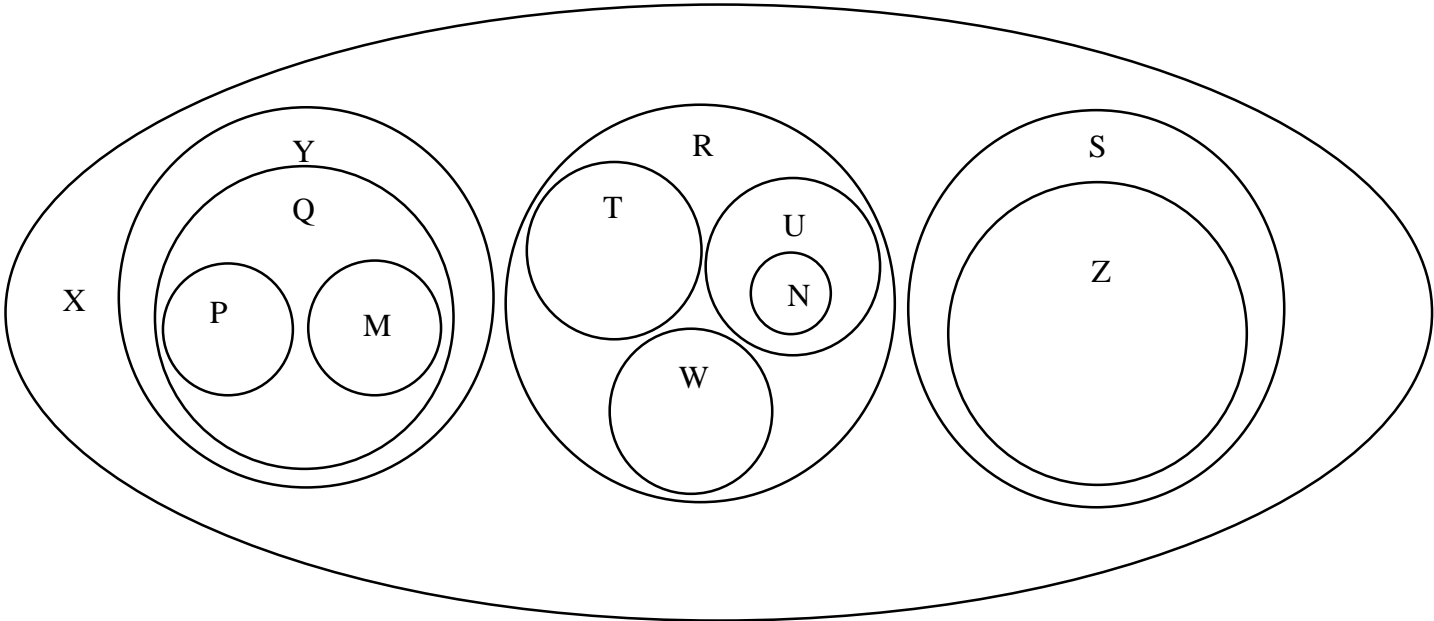
www.st3telkom.ac.id

- Ancestor (N) = U, R, X
- Descendant (Y) = Q, P, M
- 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) = 4

Notasi Tingkat

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

Diagram Venn



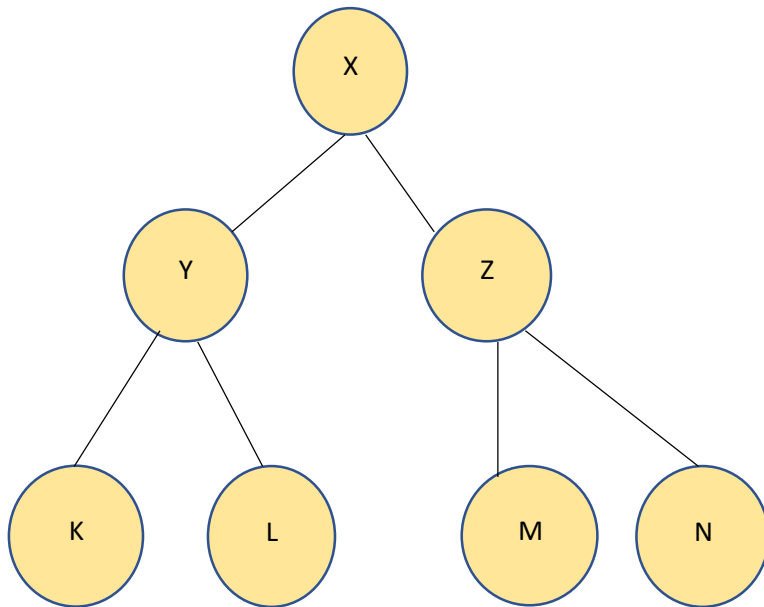
Notasi Kurung

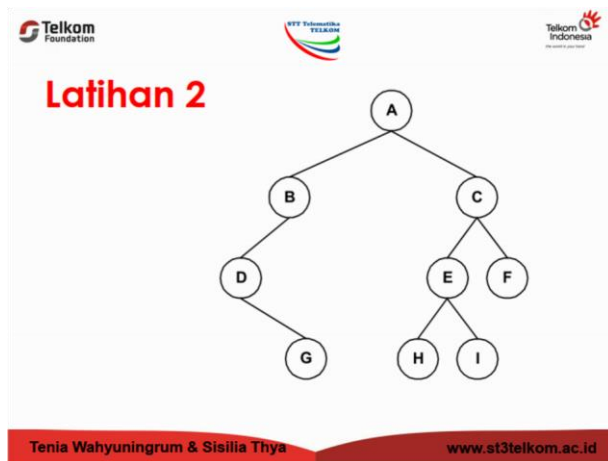
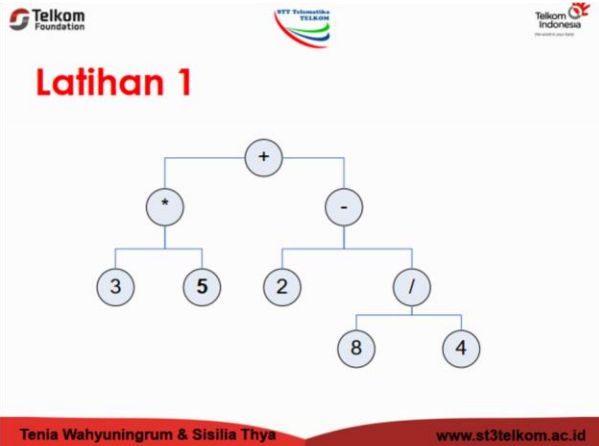
(X(Y(Q(P,M)),R(T,U(N),W),S(Z)))

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

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

