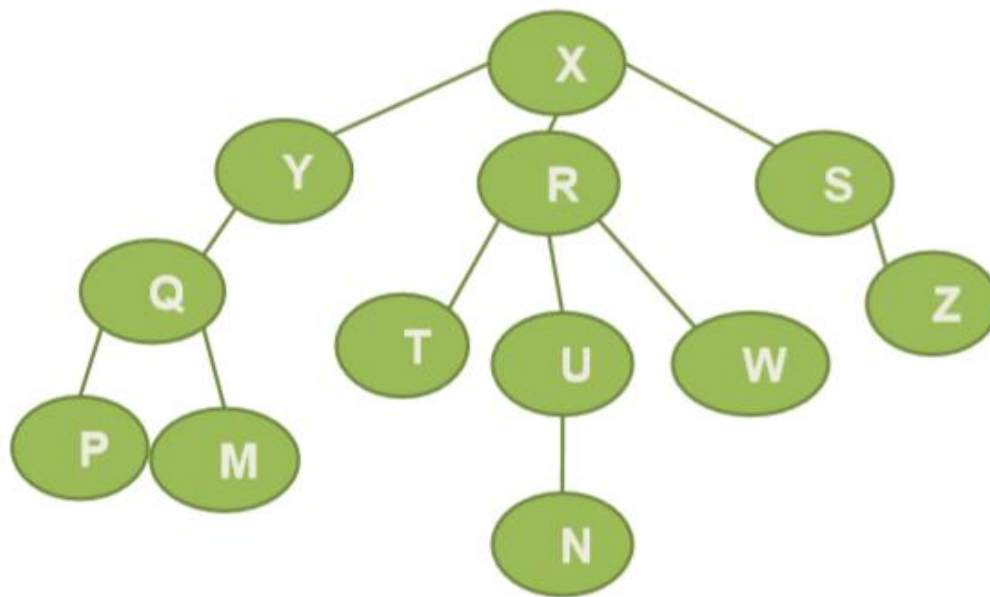


NAMA : Haidar Guhardy M

NIM : 19051397005

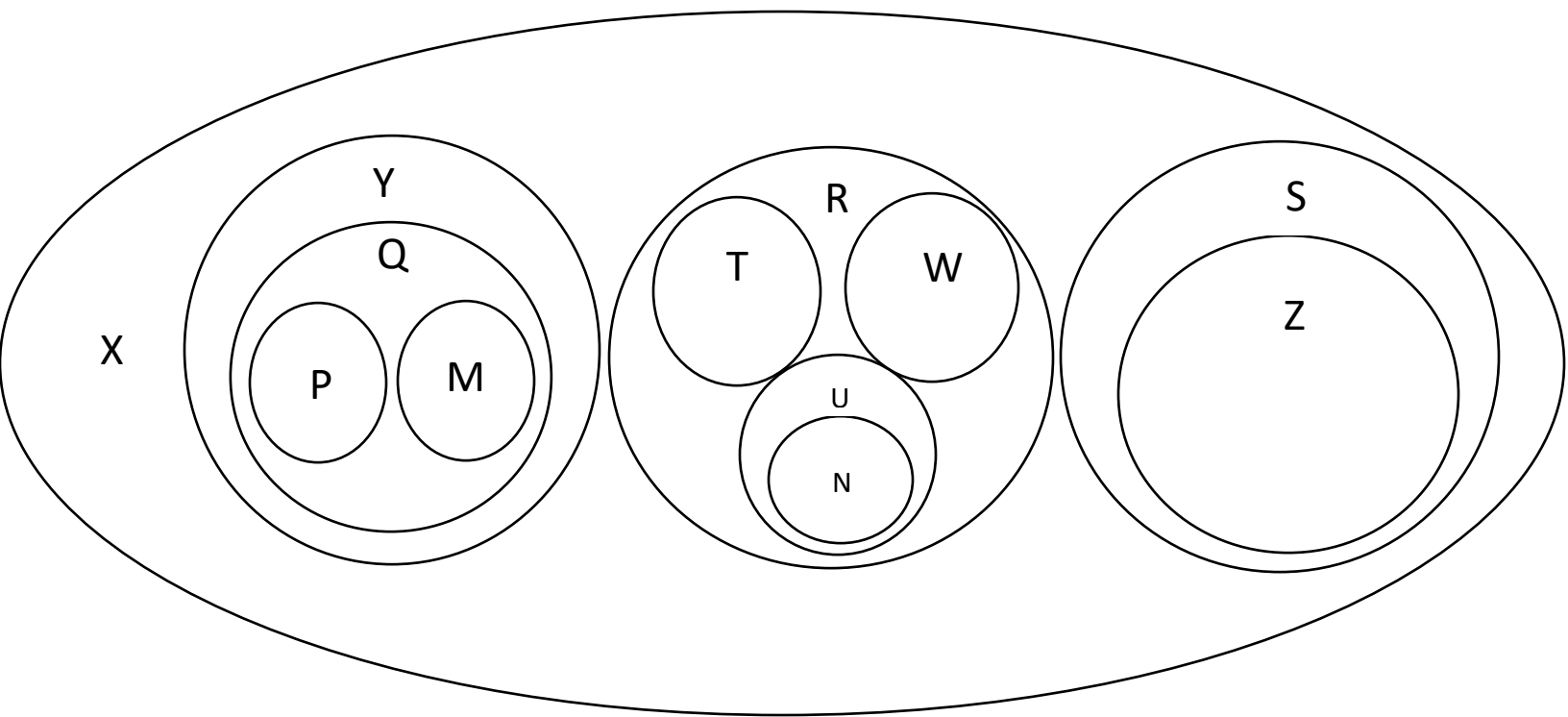
PRODI : D4 MI A 19

Latihan



- 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

Diagram Venn



Notasi Kurung

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

Notasi Tingkat

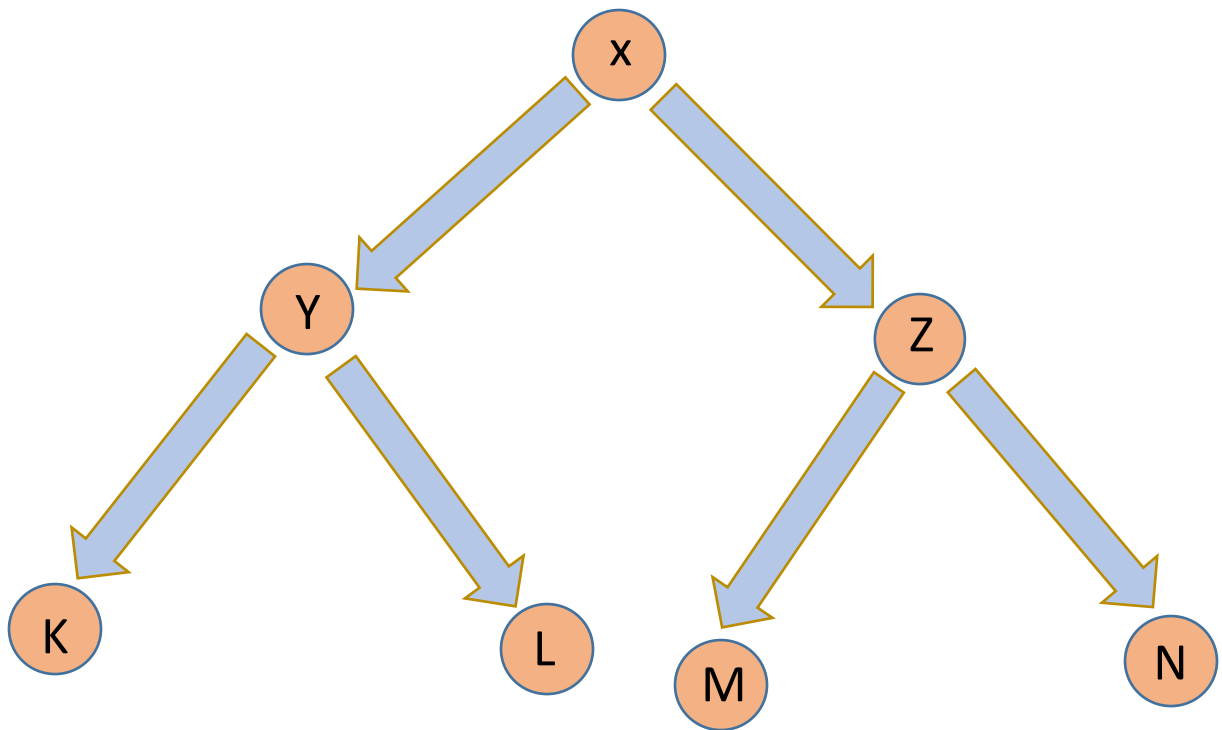
X	Y	Q	P
			M
	R	T	
		U	
		W	N
	S	Z	

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

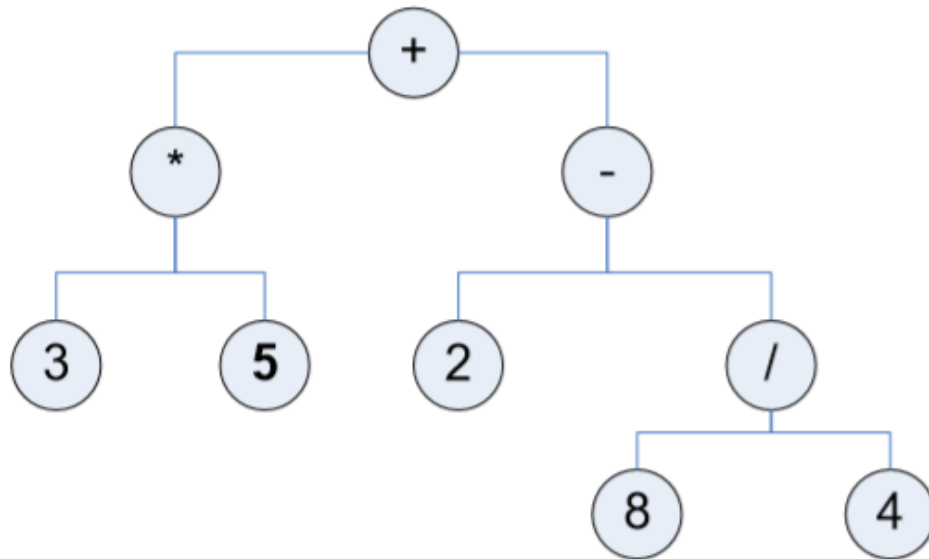
Pohon Biner



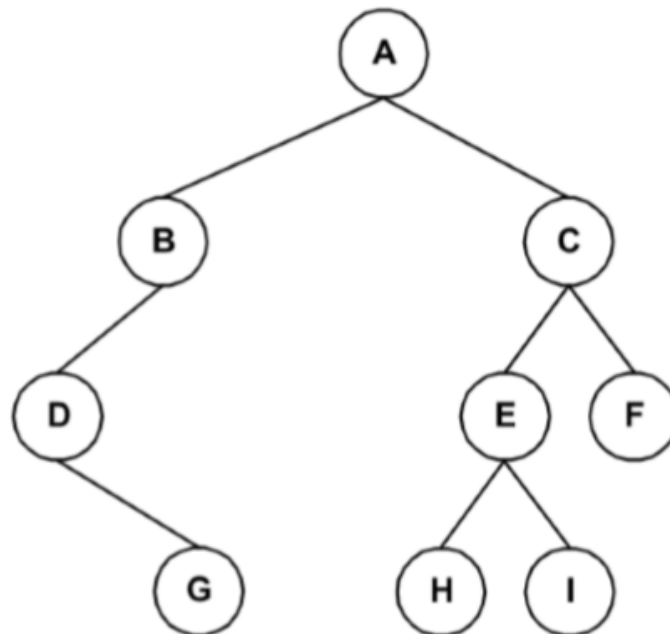
Latihan

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

Latihan 1



Latihan 2



Latihan 1

- Preorder Traversal = + * 3 5 - 2 / 8 4
- 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