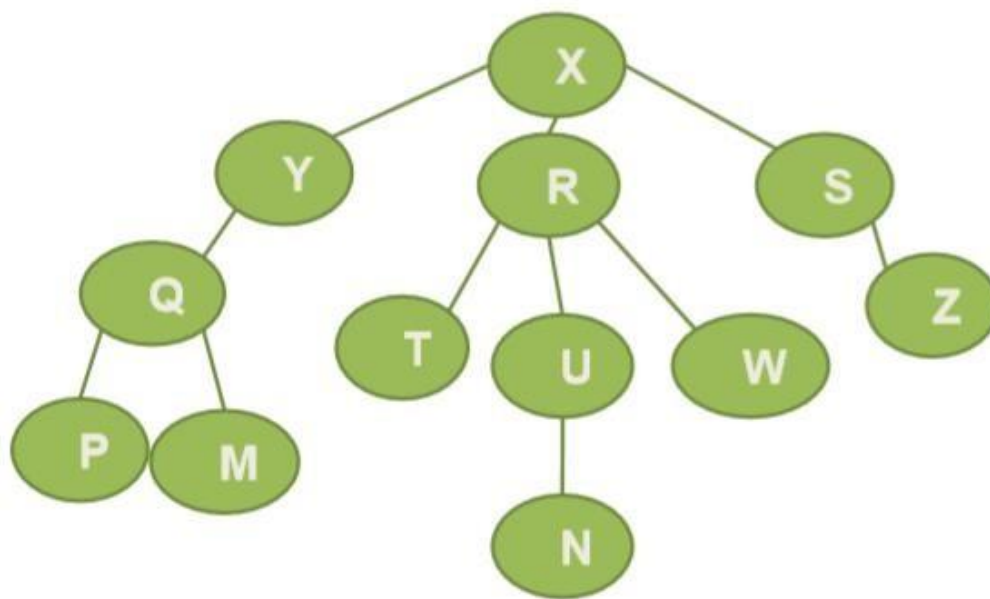**NAMA** : Akbar Rakasiwi

NIM : 19051397077
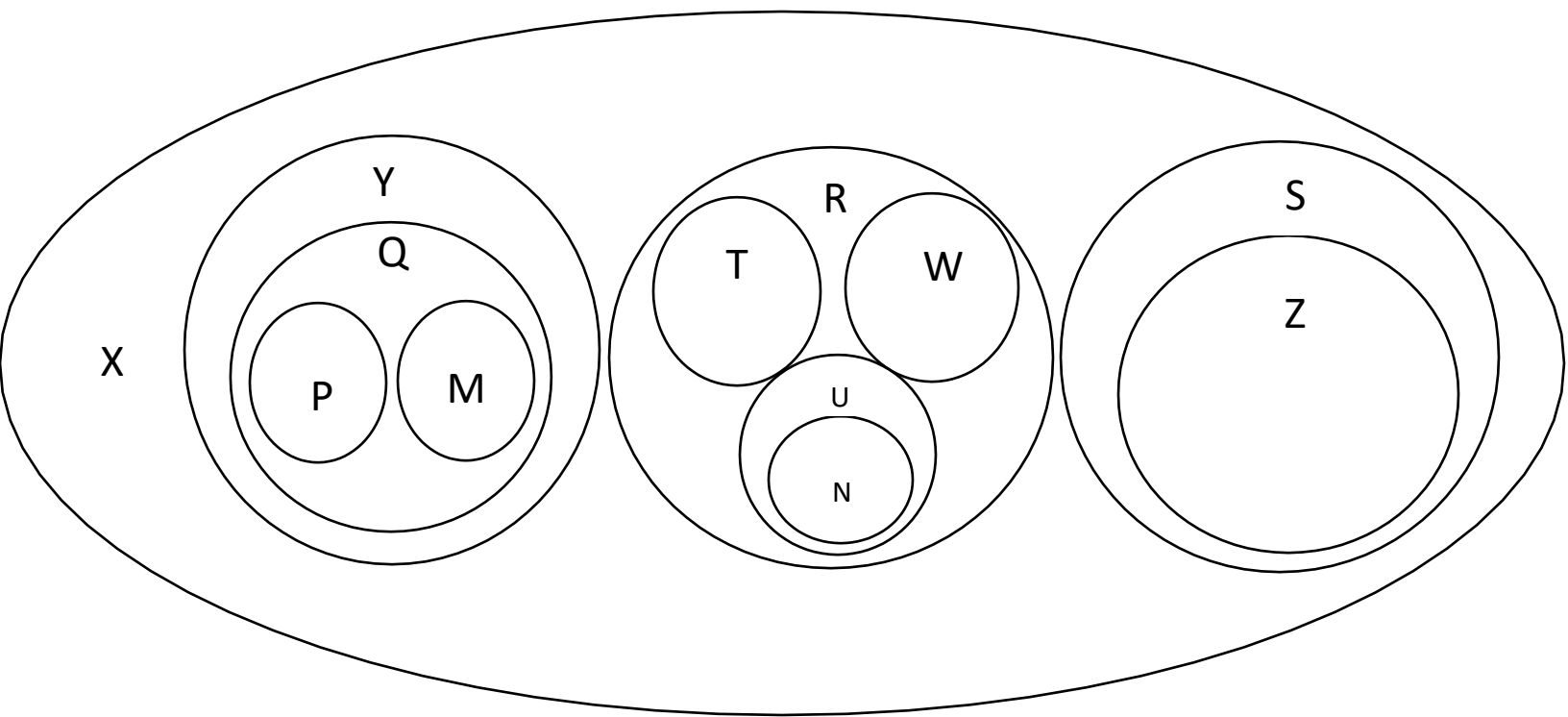
PRODI : D4 MI A 19

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

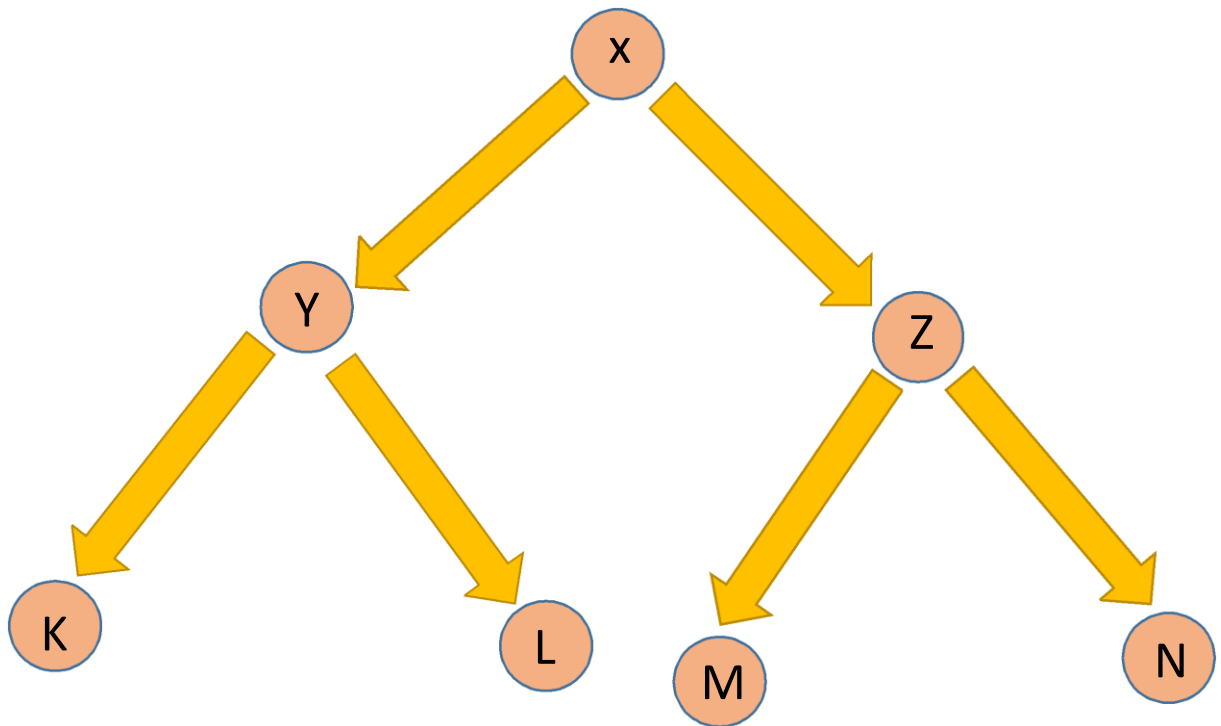| X	Y	Q	P
	R	T	M
		U	
		W	N
	S		
		Z	

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
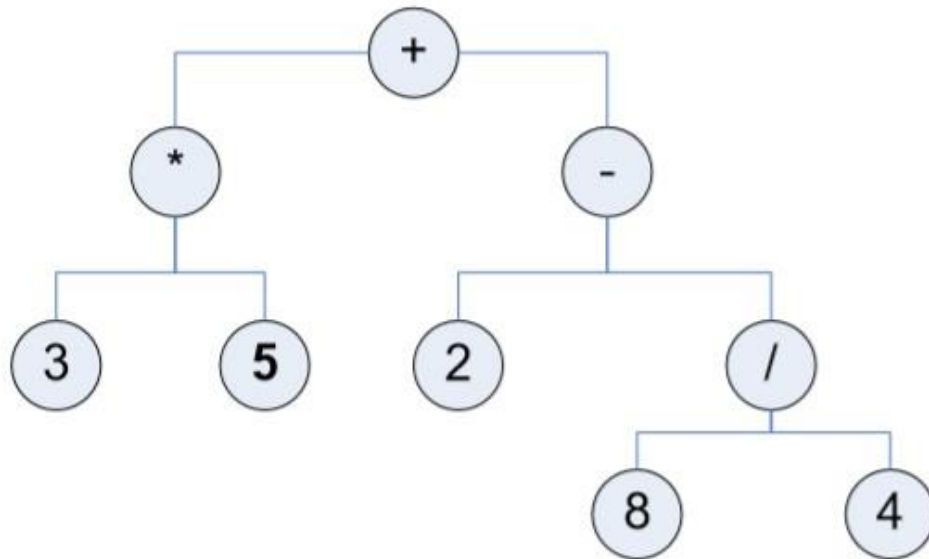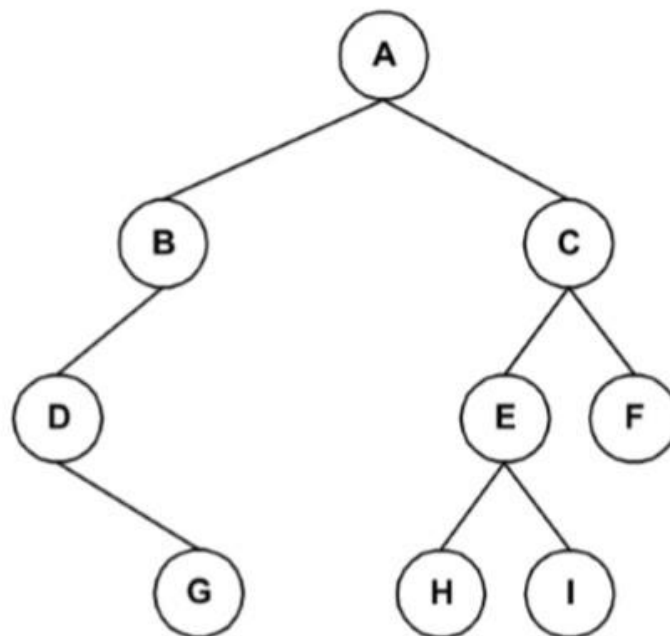 - Root = X
  - Leaf = K, L, M, N

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