

Nama : Tania Nastika P.M.

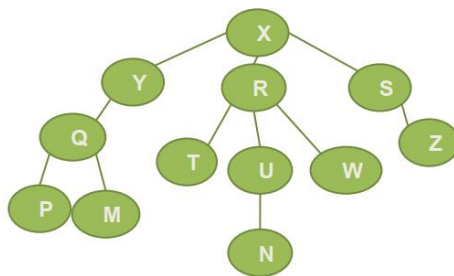
NIM : 19051397026

Prodi : D4 RPL A'19

TUGAS BINARY TREE



Latihan



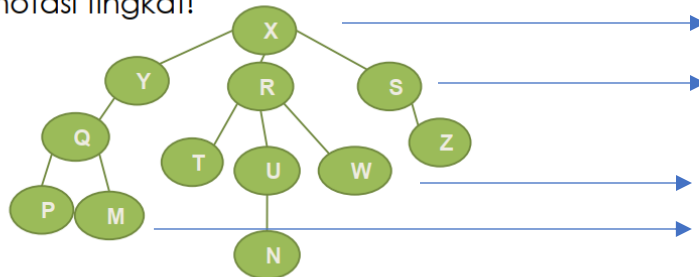
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- | | |
|-------------------|-----------|
| 1. Ancestor (T) | = R,X |
| 2. Descendant (R) | = T,U,W |
| 3. Parent (P) | = Q,Y |
| 4. Child (X) | = Y,R,S |
| 5. Sibling (T) | = U,W |
| 6. Size | = 12 |
| 7. Height | = 4 |
| 8. Root | = X |
| 9. Leaf | = P,M,N,Z |
| 10. Degree (R) | = 3 |

Latihan

- Buat diagram venn, notasi kurung dan notasi tingkat!



Tingkat 0

Tingkat 1

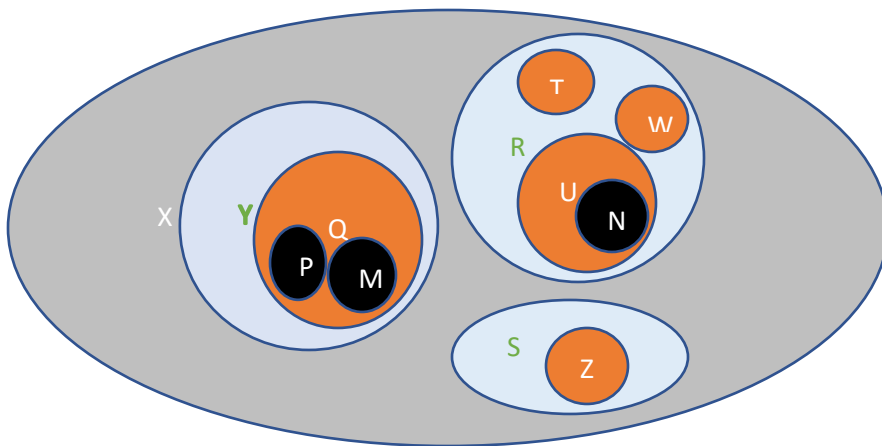
Tingkat 2

Tingkat 3

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- Diagram Venn



- Notasi Tingkat

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

- Notasi Kurung

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

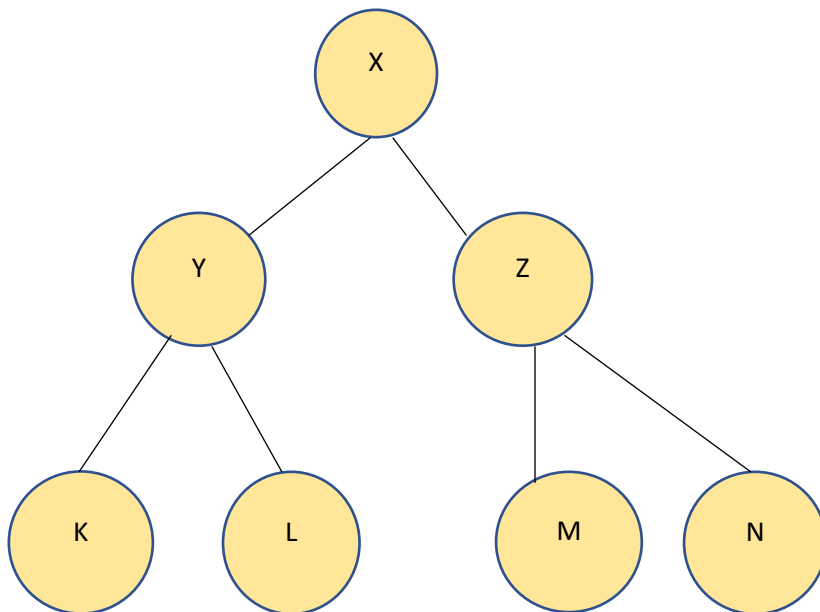
IDENTIFIKASIKAN!

1. Ancestor (N) = U,R,X
2. Descendant (Y) = Q
3. Parent (Z) = S
4. Child (Q) = P,M
5. Sibling (U) = T,W
6. Size = 12
7. Height = 4
8. Root = X
9. Leaf = P,M,N,Z
10. Degree [®] = 3

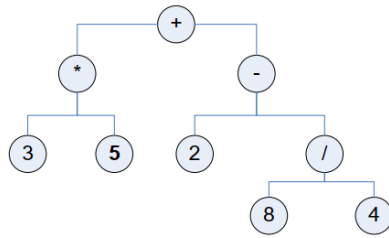
Latihan

- 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

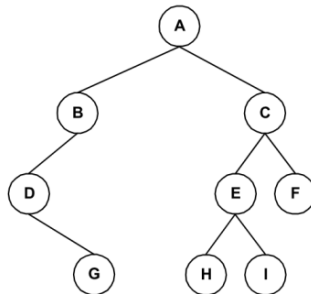


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Latihan 2



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