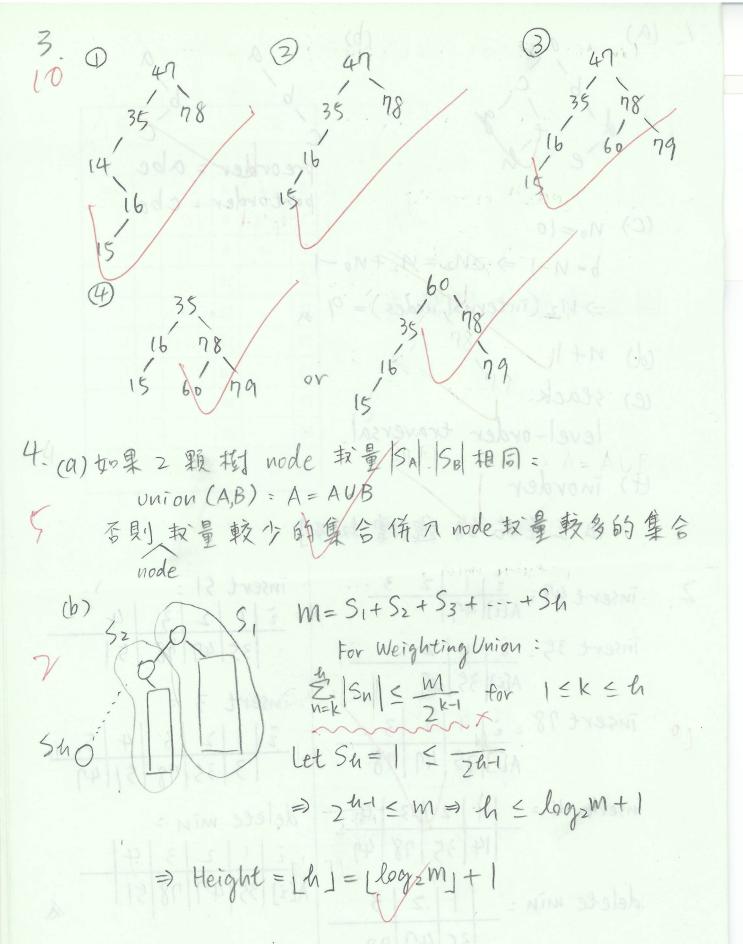
b b c c c preorder = abc postorder = cba

- (C)  $N_0 = 10$   $b = N-1 \Rightarrow 2N_2 = M_2 + N_0 - 1$  $\Rightarrow N_2 \text{ (internal nodes)} = 9$
- (d) n+1
- (e) stack. level-order traversal.
- H) inorder 由左至右的態增取到
- 2. Insert 47 =  $\frac{2}{A[i]} \frac{1}{47}$ Insert 35 =  $\frac{1}{2} \frac{1}{12}$ A[i] 35 47

  Insert 78 =  $\frac{1}{2} \frac{1}{12} \frac{3}{12}$ A[i] 35 47 78

  Insert 14 =  $\frac{1}{2} \frac{1}{3} \frac{1}{4}$ Idelete min =  $\frac{1}{2} \frac{1}{3} \frac{1}{4}$

insert \$1:						
i	1	2	13	14		
	35	47	18	5		
insert 3:						
2		2	3	4	5	
	3	35	78	511	47	Thirtigat Tapas
delete min =						
			3			
(i)	35	47	78	511	The Allin Company of	X
	V					1



typedet struct cirlinklist {

int data;

struct cirlinklist {

next; 3 node 3 node reverse (node\* head) { node\* lead, \* mid, \* tail 34. mid = head; lead = mid -> next ; tail=NULL3 while (lead != NULL mid -> next = tail 5 tail = mid; mid = lead ; lead = lead & next; mid-) next = tail; return mid;

treepointer copy (treepointer orig) { if (lorig) & NODE \* temp = (NODE\*) malloc (size of (NODE)) 3 temp-> key = orig > key i temp - Ichild = copy (orig-> Ichild); temp -> rchild = copy (orig-> rchild) > return temp; union (aB) = A = trass & bas

int largest Weighted Path (NODE \* root) {

int lweight, rweight;

if (!root) return 0;

lweight = Largest Weighted Path (root-> lchild);

rweight = Largest Weighted Path (root-> rchild);

if (!weight > rweight)

return root-> weight + !weight;

else

return root-> weight + rweight;

your path is not guaranteed to reach the leaf node of some weights are negative -

8. treepointer search (treepointer t, int k, int n) {
 int pos = n - t -> rightsize;
 if (k == pos) return t;
 if (k > pos)
 return (t -> rchild, k, t -> rightsize);
 else
 return (t -> lchild, k, pos -1);
}

show to last some or harmoning the stage way.