

KIM
KINER
LION
KIND
JADE

(1) Several Primitive Operations on Shin's Tree

1. Search a key in the Shin tree.
2. Print inserted keys in the Shin tree in sorted order.
3. Insert a key into the tree.
4. Traverse the Shin tree in 4 different ways:
 - a. preorder
 - b. suorder
 - c. inorder
 - d. postorder
5. Convert Shin tree to its corresponding reverse one and vice versa.
6. Delete a key from the tree.

(2) Pseudo-code for Shin_Sort_The_Key routine

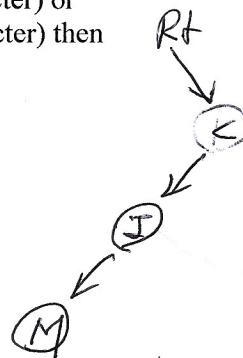
{The Routine that calls Shin Sort recursive routine. It creates Shin's tree initially; two pointer parameters: one for Shin tree and one for input key. It calls shin sort recursive routine to insert key into created Shin tree.}

Read_and Store_Input_String_and_Get_the_Pointer {input nodes linked through left son pointers; if they are integer number, sufficient zero characters are filled in for each integer number beforehand.}

If Root_Pointer = nil then Root_Pointer \Leftarrow Input_Pointer

else If Root_Pointer's Character > Input_Pointer's Character then
Input_Pointer's Right_Child \Leftarrow Root_Pointer
Root_Pointer \Leftarrow Input_Pointer to the first character in key string

else If (Root_Pointer's Character < Input_Pointer's Character) or
(Root_Pointer's Character = Input_Pointer's Character) then
Tree_Pointer \Leftarrow Root_Pointer
Call Shin_Sort recursive routine



else error !

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