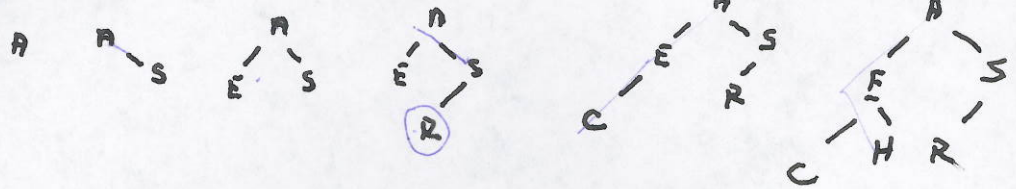


Digital Search Trees and Radix Tries (10 Points)

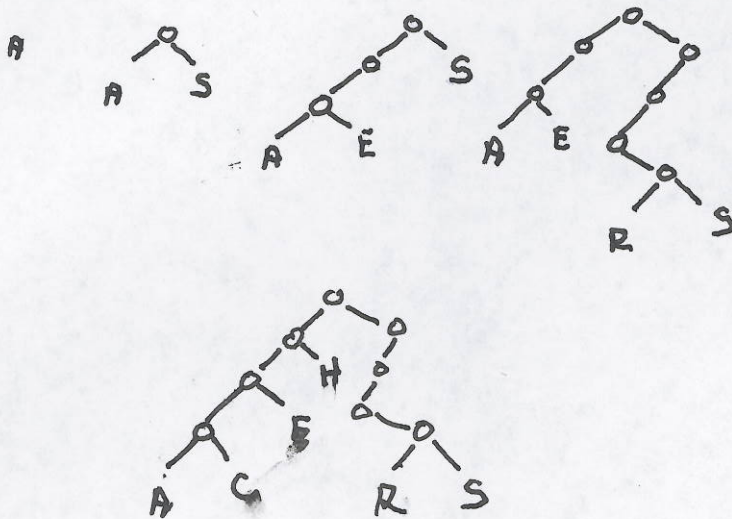
9) Insert the following letters into a Digital Search Tree (DST) in the order presented. Use the leftmost bits (moving right) in each key to decide on the path through the tree. On 1, move right, on 0 move left. Draw a new tree for each insertion. (5 points)

A 00001
S 10011
E 00101
R 10010
C 00011
H 01000



Key

10) Do the same but this time use a Radix Trie. (5 Points)



-2,5 - wrong insert/steps not correct
-1 - each step not shown