Lab Assignment 8: Node Insulion in AUL Trees Imput: You will be given English words (all copital a letters): one word per line. Procedure: Please refer "Letture 18" on Molanda. Read the English words one by one and insert them in sequence in an AUL Tree. Use dictionary Order for insertion in AVL Tree. Output: Eist print in order travers of the find AVL Tree: On each line print the word, then blank space, then height of the mode, then bolance factor of the node. Finally print preorder traversal of the final AVL Tree: On each line print the word, then blank space, then height of the node, then bolance factor of the node. Sample Imput: | Sample Output: 5 -1 JAN APRIO 3 / DEC AUG 21 MAR 1AUG 2 DEC 3 1 MAY 10 APR FEB 1 NOV JAN 5 -1 FEB AUG 4 -1 MAR JUL 2 APR 2 -1 JUL JUN 1 0 JAN JUN 0 MAR 4 DEC NOV MAY 1 0 JUL 0 MAY NOV 3 FEB OCT OCT 2 JUN 10 SEP 1 SEP OCT

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