## CSE 370 - Database Systems

Assignment 03

section:5

Summer2025

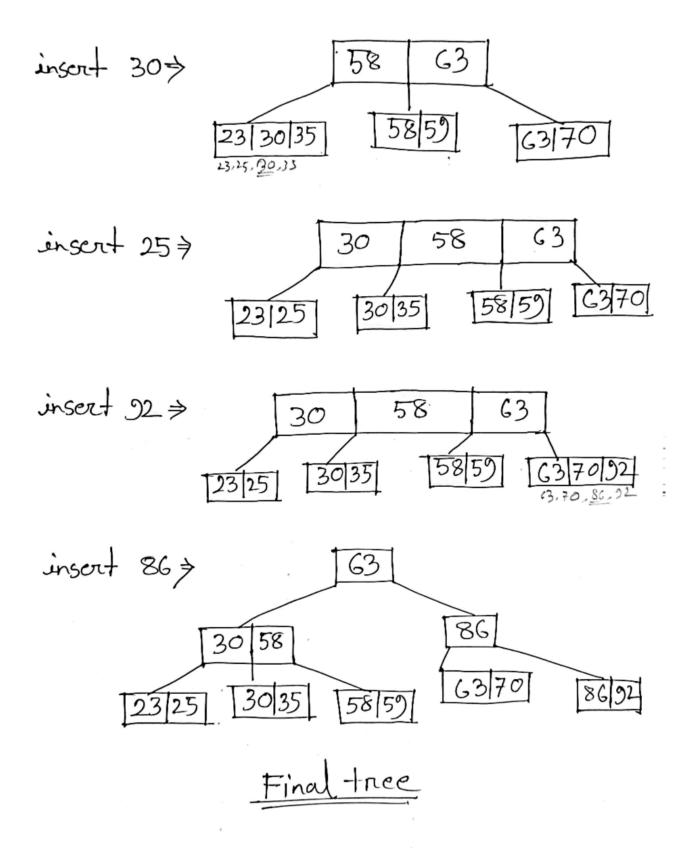
Full Name (in Block Letter): MD SHANUR RAHMAN ID: 22299079
SHIMUL

Question 1 [CO6]: 5 Points

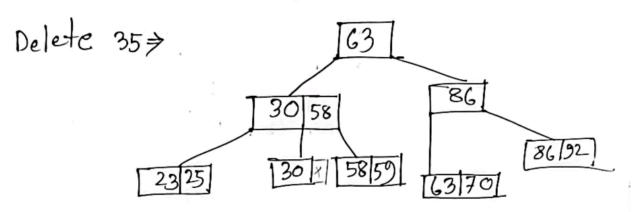
A PARTS file with Part# as the key field includes records with the following Part# values: 63, 35, 58, 23, 59, 70, 30, 25, 92, 86. Suppose that the search field values are inserted in the given order in a B+ tree of order n=4; show how the tree will expand and what the final tree will look like.

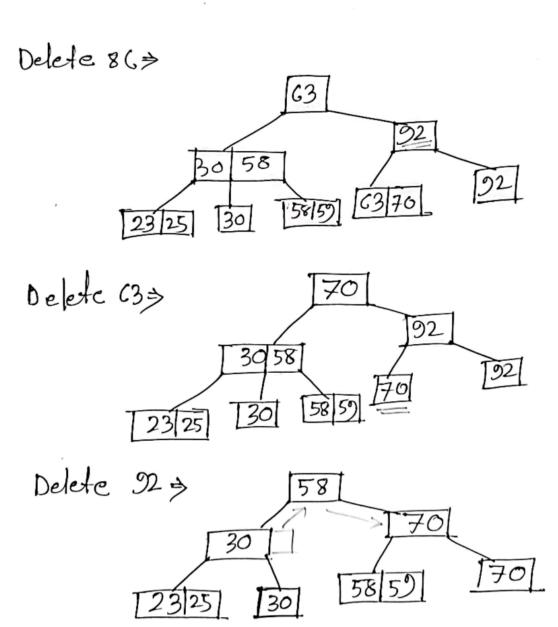
After building the tree in this sequence, delete these values: 35, 86, 63, 92, 30 and show how the tree will reduce and what the final tree will look like.

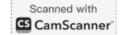
n=4 max\_key= n-1-3 insert 63 > inscrt 35>> insert 58 > 58 insert 23> 23 35 58 insert 59 > ingert 70 >



Deletion







(Am)