Data Structure and Algorithm

**B+ Tree & Graph**

1. Suppose there is B+ Tree with L=X and M=Y, Please answer the following questions.
2. Please write down the range numbers of the items in the leaf node.
3. Please write down the range numbers of the children and keys in the internal node (except the root node).
4. Please construct a B+ tree with L=M=3 with the following sequence 3,20,18,4,9,6,10,23,25,27,40,13,14.You need show each detail steps.
5. After you have already construct B+ tree above, Now, You need show the B+ trees when you delete the items 6,9,10,13, 18, 14. Please draw each step.
6. A B+ tree can contain a maximum of 7 pointers in a node. What is the minimum number of keys in leaves?
7. Efficiency of finding the next record in B+ tree is \_\_\_\_
8. What is the maximum number of keys that a B+ -tree of order 3 and of height 3 have
9. Write the BFS traversal of this graph:

