1. List the members of your group below:

2. Depict the result of inserting the following keys, in the order presented, into an initially empty **B-tree** with parameters M=4 and L=3, based on the definitions and methods in the textbook.<sup>1</sup> (The tree is thus a  $B^+$ -tree.)

Depict some intermediate states of the tree, including at least the states after each node-splitting operation.

Similarly, depict the result of deleting the following keys, in this order, depicting at least the intermediate states after each node-merging operation:

<sup>&</sup>lt;sup>1</sup>Mark Allen Weiss, *Data Structures and Problem Solving Using Java*, 3rd edition (Addison-Wesley, 2006), §19.8.

[additional space for answering the earlier question]

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