1. **(5 pts)** Consider the B+ tree below.

Note that this tree does not show data nodes, and you do not need to see the data nodes to answer this question. At each leaf, N* is an index of the form <N, <page id, slot #>>, where N is the value of the search key.

Show the tree that results from inserting records with search key **98 followed by 96** (do **not** use redistribution).
2. (5 pts) Consider the extendible hash table to the left. Assume $\text{Hash}(x) = x$. Show the result of inserting the following keys in order: 24, 59