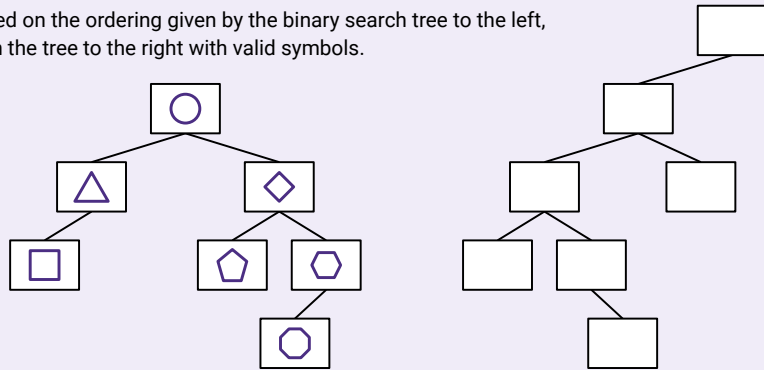


Q Total Order

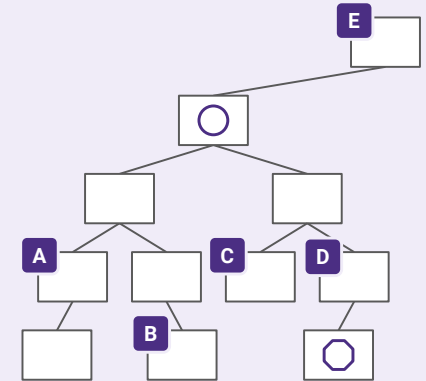
Based on the ordering given by the binary search tree to the left, fill in the tree to the right with valid symbols.



Q Applying Total Order

Say we have the following total order.
□ △ ○ ⬠ ⬡ ⬢ ⬣ ⬤
Assume that there are several other symbols not shown above.

Where can the pentagon symbol ⬠ reside?



?: Binary search trees are related to OrderedLinkedSets. What do we know about the relationship between the square symbol and the triangle symbol?

Q1: Based on the ordering given by the binary search tree to the left, fill in the tree to the right with valid symbols.

Q1: Where can the pentagon symbol reside?

Q Minimum Height Trees

Draw a valid BST of minimum height containing the keys 1, 2, 3, 7, 8, 9, 5.

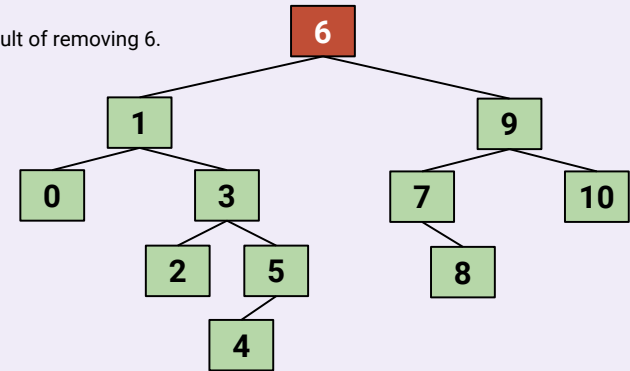
Give a valid insertion order for this tree.

Q1: Draw a valid BST of minimum height containing the keys 1, 2, 3, 7, 8, 9, 5.

Q2: Give a valid insertion order for this tree.

Q Hibbard Deletion

Draw the result of removing 6.



Q1: Draw the result of removing 6.