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: 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.

Applying Total Order

Say we have the following total order.

Assume that there are several other symbols not shown above.

In which of the five labeled nodes can the pentagon symbol reside?

Q1: In which of the five labeled nodes can the pentagon symbol reside?
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.

Hibbard Deletion

Draw the result of removing 6.

Q1: Draw the result of removing 6.