

Minimum Absolute Difference in BST

This problem leverages the property of Binary Search Tree (BST):

- An inorder traversal of a BST yields a sorted list of values.
- The minimum absolute difference must occur between two consecutive values in this sorted order.

Approach: 1

Steps:

1. Perform an inorder traversal of the BST.
2. Keep track of:
 - The previous node's value (from traversal).
 - The minimum difference found so far.
3. At each node:
 - Compute $\text{current} - \text{previous}$
 - Update the minimum difference if smaller.

Complexity:

Time: $O(n)$ - visit each node once.

Space: $O(h)$ (recursive stack), where h is the tree height.