

The scatter plot displays the relationship between the element index in a Binary Search Tree (BST) and its corresponding value. The x-axis, labeled 'Element in BST', ranges from 0 to 256. The y-axis, labeled 'Value in BST', ranges from 0 to 250. Red dots represent the state 'Before' (before deletion), and blue crosses represent the state 'After' (after deletion). Vertical purple lines are drawn at x=90, x=170, and x=230, indicating the positions of the deleted nodes. The plot shows that for most elements, the value remains the same after deletion. However, for elements at indices 90, 170, and 230, the value is significantly lower in the 'After' state compared to the 'Before' state, indicating a restructuring of the tree following the deletion of these nodes.

