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The diagram illustrates the PO (Pre-Order) and IB (In-Order) traversal algorithms using a binary tree structure. The tree is represented by a series of boxes, each containing a number (1 through 15). The root node is 1. The left child of 1 is 2, and the right child is 3. Node 2 has a left child 4 and a right child 5. Node 4 has a left child 6 and a right child 7. Node 6 has a left child 8 and a right child 9. Node 8 has a left child 10 and a right child 11. Node 10 has a left child 12 and a right child 13. Node 12 has a left child 14 and a right child 15.

PO (Pre-Order) Traversal: The sequence of nodes visited is 1, 2, 4, 6, 8, 10, 12, 14, 3, 5, 7, 9, 11, 13, 15. This is shown by the sequence of boxes in the first row: 1, 2, 4, 6, 8, 10, 12, 14, 3, 5, 7, 9, 11, 13, 15.

IB (In-Order) Traversal: The sequence of nodes visited is 10, 12, 14, 8, 6, 4, 2, 1, 3, 5, 7, 9, 11, 13, 15. This is shown by the sequence of boxes in the second row: 10, 12, 14, 8, 6, 4, 2, 1, 3, 5, 7, 9, 11, 13, 15.

The diagram also includes a label "image.png" at the bottom left and a label "IB" at the bottom right.

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