

Diagram illustrating a sequence of operations (likely stack manipulations) and their resulting states, organized into a tree structure. The operations are labeled in blue text on the branches, and the resulting states are labeled in black text at the nodes.

**Root Node:** ROOT 4 -5 1 -3 2

**Level 1 Operations and States:**

- Operation: 2, -3 (Left branch)
- Operation: 4, -5 (Right branch)
- Operation: 4, -3 (Right branch)
- Operation: 1, -2 (Right branch)

**Level 2 Operations and States:**

- Operation: 4, -5 (Left branch)
- Operation: 4, -3 (Right branch)
- Operation: 4, -3 (Right branch)
- Operation: 1, -2 (Right branch)
- Operation: 5, -4 (Right branch)
- Operation: 4, -5 (Right branch)

**Level 3 Operations and States:**

- Operation: 4, -3 (Left branch)
- Operation: 2, -3 (Right branch)
- Operation: 5, -4 (Left branch)
- Operation: 2, -1 (Middle branch)
- Operation: 2, -3 (Right branch)

**Level 4 Operations and States:**

- Operation: -1 -5 -4 -3 2 (Left branch)
- Operation: 4 5 1 -3 -2 (Right branch)
- Operation: 9DUP -1 -5 -4 -3 2 (Left branch)
- Operation: 3 4 -5 1 2 (Middle branch)
- Operation: -1 5 -4 -3 -2 (Right branch)

**Level 5 Operations and States:**

- Operation: 2, -1 (Left branch)
- Operation: 2, -3 (Right branch)
- Operation: 4, -3 (Left branch)
- Operation: 1, -2 (Right branch)
- Operation: 2, -1 (Left branch)
- Operation: 2, -3 (Right branch)
- Operation: 4, -5 (Left branch)
- Operation: 5, -4 (Right branch)

**Final Operations and States:**

- Operation: 3DRAW 3 4 5
- Operation: DRAW -1 -5
- Operation: DRAW -1 -5 -4
- Operation: DRAW 4 5 1 2
- Operation: DRAW 3 4 5
- Operation: DRAW -1 -5 -4 -3 -2