

The diagram illustrates a sequence of stack operations and their corresponding stack states. The root node is labeled "ROOT -1 5 6 -4 3 2". The tree branches out into several levels, with nodes labeled with stack states and operations. Blue text indicates the state of the stack after an operation.

Level 1:

- Left branch: "5, -4" (blue text) leads to node "-1 -6 -5 -4 3 2".
- Right branch: "3, -4" (blue text) leads to node "-1 5 6 -4 -3 2".

Level 2:

- From "-1 -6 -5 -4 3 2":
 - Left branch: "3, -4" (blue text) leads to node "-1 -6 -5 -4 -3 2".
 - Right branch: "2, -1" (blue text) leads to node "-3 4 5 6 1 2".
- From "-1 5 6 -4 -3 2":
 - Left branch: "5, -4" (blue text) leads to node "9DUP -1 -6 -5 -4 -3 2".
 - Right branch: "2, -1" (blue text) leads to node "3 4 -6 -5 1 2".
 - Right branch: "2, -3" (blue text) leads to node "-1 5 6 -4 -3 -2".

Level 3:

- From "-1 -6 -5 -4 -3 2":
 - Left branch: "2, -1" (blue text) leads to node "3DRAW 3 4 5 6 1 2".
 - Right branch: "2, -3" (blue text) leads to node "-1 -6 -5 -4 -3 -2".
- From "-3 4 5 6 1 2":
 - Left branch: "4, -3" (blue text) leads to node "7DRAW 3 4 5 6 1 2".
 - Right branch: "2, -3" (blue text) leads to node "-3 -2 -1 5 6 -4".
- From "9DUP -1 -6 -5 -4 -3 2":
 - Left branch: "2, -1" (blue text) leads to node "10DRAW 3 4 5 6 1 2".
 - Right branch: "2, -3" (blue text) leads to node "-1 -6 -5 -4 -3 -2".
- From "3 4 -6 -5 1 2":
 - Left branch: "4, -5" (blue text) leads to node "11DRAW 3 4 5 6 1 2".
 - Right branch: "5, -4" (blue text) leads to node "-1 -6 -5 -4 -3 -2".

Level 4:

- From "3DRAW 3 4 5 6 1 2":
 - Left branch: "4, -3" (blue text) leads to node "12DRAW 3 4 5 6 1 2".
 - Right branch: "2, -3" (blue text) leads to node "-1 -6 -5 -4 -3 -2".
- From "7DRAW 3 4 5 6 1 2":
 - Left branch: "4, -3" (blue text) leads to node "13DRAW 3 4 5 6 1 2".
 - Right branch: "2, -3" (blue text) leads to node "-1 -6 -5 -4 -3 -2".
- From "10DRAW 3 4 5 6 1 2":
 - Left branch: "4, -3" (blue text) leads to node "14DRAW 3 4 5 6 1 2".
 - Right branch: "2, -3" (blue text) leads to node "-1 -6 -5 -4 -3 -2".
- From "11DRAW 3 4 5 6 1 2":
 - Left branch: "4, -5" (blue text) leads to node "15DRAW 3 4 5 6 1 2".
 - Right branch: "5, -4" (blue text) leads to node "-1 -6 -5 -4 -3 -2".

The diagram shows a complex sequence of operations and stack states, with the final state being "-1 -6 -5 -4 -3 -2".