

The diagram illustrates a sequence of operations on a 6-card deck, starting from a root state and branching out based on specific actions. The operations include DRAW, DUP, and their inverses, each associated with a card and a count change.

**Root Node:** -2 1 -6 3 4 5

**Level 1 Branches:**

- Left: -2 1 -4 -3 6 5 (Operation: 3, -4)
- Middle: 15DUP -2 -1 -6 3 4 5 (Operation: 1, -2)
- Right: 6 -1 2 3 4 5 (Operation: 3, -2)
- Far Right: -2 1 -6 -5 -4 -3 (Operation: 5, -6)

**Level 2 Branches (from Level 1):**

- From -2 1 -4 -3 6 5:
  - Left: ROOT -2 1 -4 -5 -6 3 (Operation: 1, -2)
  - Right: 10DUP -2 -1 -4 -3 6 5 (Operation: 3, -2)
- From 15DUP -2 -1 -6 3 4 5:
  - Left: 5DRAW 6 1 2 3 4 5 (Operation: 3, -2)
  - Right: 11DUP -2 -1 -6 3 4 5 (Operation: 5, -6)
- From 6 -1 2 3 4 5:
  - Left: 2DRAW 6 5 4 1 2 3 (Operation: 2, -1)
  - Right: 8DRAW 6 5 4 1 2 3 (Operation: 1, -2)
- From -2 1 -6 -5 -4 -3:
  - Left: 4DRAW 6 1 2 3 4 5 (Operation: 3, -2)
  - Right: 6DRAW -2 -1 -6 -5 -4 -3 (Operation: 5, -6)

**Level 3 Branches (from Level 2):**

- From ROOT -2 1 -4 -5 -6 3:
  - Left: -2 -1 -4 -5 -6 3 (Operation: 3, -2)
  - Right: 6 5 4 -1 2 3 (Operation: 3, -4)
- From 10DUP -2 -1 -4 -3 6 5:
  - Left: 11DUP -2 -1 -6 3 4 5 (Operation: 2, -1)
  - Right: 11DUP -2 -1 -6 3 4 5 (Operation: 3, -2)
- From 5DRAW 6 1 2 3 4 5:
  - Left: 2DRAW 6 5 4 1 2 3 (Operation: 3, -2)
  - Right: 8DRAW 6 5 4 1 2 3 (Operation: 3, -4)
- From 11DUP -2 -1 -6 3 4 5:
  - Left: 2DRAW 6 5 4 1 2 3 (Operation: 2, -1)
  - Right: 8DRAW 6 5 4 1 2 3 (Operation: 1, -2)
- From 2DRAW 6 5 4 1 2 3:
  - Left: -2 -1 -4 -5 -6 3 (Operation: 3, -2)
  - Right: 6 5 4 -1 2 3 (Operation: 3, -4)
- From 8DRAW 6 5 4 1 2 3:
  - Left: 2DRAW 6 5 4 1 2 3 (Operation: 2, -1)
  - Right: 8DRAW 6 5 4 1 2 3 (Operation: 1, -2)
- From 4DRAW 6 1 2 3 4 5:
  - Left: 5DRAW 6 1 2 3 4 6 (Operation: 3, -2)
  - Right: 6DRAW -2 -1 -6 -5 -4 -3 (Operation: 5, -6)
- From 6DRAW -2 -1 -6 -5 -4 -3:
  - Left: 4DRAW 6 1 2 3 4 5 (Operation: 3, -2)
  - Right: 6DRAW -2 -1 -6 -5 -4 -3 (Operation: 5, -6)

**Final Node:** 5DRAW 6 1 2 3 4 6DRAW -2 -1 -6 -5 -4 -3