

Diagram illustrating a sequence of moves in a 3D puzzle, showing a tree structure of configurations and transitions.

Root Configuration: ROOT 6-2-5-1-3-4

Left Branch:

- Node: 6 1-5 2 3-4
 - Node: -1-6-5 2 3-4
 - Node: 5 6 1 2 3-4
 - Node: -1-6-5 2 3 4
 - Node: 6 1-5 2 3 4
 - Node: 2 4DUP -1-6-5 2 3 4
 - Node: 6 1-5-4-3-2

Right Branch:

- Node: 6-2-5 1 3 4 -1 3 4 5 6-2-3 1 2-6-5-4
 - Node: 3 1DUP 6 1-6-5 2 3 4
 - Node: 5 6 1 2 3-4
 - Node: -1-6-5 2 3 4
 - Node: 3 2DUP 6 1-5-4-3-2
 - Node: 5 6 1 2 3-4
 - Node: -1-6-5 2 3 4

The diagram shows a complex sequence of moves, with some moves labeled as "DRAW" (e.g., 18DRAW, 19DRAW, 20DRAW, 21DRAW, 22DRAW, 23DRAW, 24DRAW, 25DRAW, 26DRAW, 27DRAW, 28DRAW, 29DRAW, 30DRAW, 31DRAW, 32DRAW, 33DRAW, 34DRAW, 35DRAW, 36DRAW, 37DRAW, 38DRAW, 39DRAW, 40DRAW, 41DRAW, 42DRAW, 43DRAW, 44DRAW, 45DRAW, 46DRAW, 47DRAW, 48DRAW, 49DRAW, 50DRAW, 51DRAW, 52DRAW, 53DRAW, 54DRAW, 55DRAW, 56DRAW, 57DRAW, 58DRAW, 59DRAW, 60DRAW, 61DRAW, 62DRAW, 63DRAW, 64DRAW, 65DRAW, 66DRAW, 67DRAW, 68DRAW, 69DRAW, 70DRAW, 71DRAW, 72DRAW, 73DRAW, 74DRAW, 75DRAW, 76DRAW, 77DRAW, 78DRAW, 79DRAW, 80DRAW, 81DRAW, 82DRAW, 83DRAW, 84DRAW, 85DRAW, 86DRAW, 87DRAW, 88DRAW, 89DRAW, 90DRAW, 91DRAW, 92DRAW, 93DRAW, 94DRAW, 95DRAW, 96DRAW, 97DRAW, 98DRAW, 99DRAW, 100DRAW, 101DRAW, 102DRAW, 103DRAW, 104DRAW, 105DRAW, 106DRAW, 107DRAW, 108DRAW, 109DRAW, 110DRAW, 111DRAW, 112DRAW, 113DRAW, 114DRAW, 115DRAW, 116DRAW, 117DRAW, 118DRAW, 119DRAW, 120DRAW, 121DRAW, 122DRAW, 123DRAW, 124DRAW, 125DRAW, 126DRAW, 127DRAW, 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