

The diagram illustrates a tree structure of Dynkin diagrams for E6. The root node is labeled "ROOT 6-2-3 1-5 4". It branches into three main paths:

- Left Path:**
 - Node: 6-2-1 3-5 4
 - Node: 16DUP-3 1 2-6-5 4
 - Node: 6 1 2 3-5 4
 - Node: 6-2-1 3-5-4
- Middle Path:**
 - Node: 6-2-5-1 3 4
 - Node: 6 1-5 2 3 4
 - Node: 48DUP-1 3 2-6-5-4
- Right Path:**
 - Node: 6-2-3 1-5-4
 - Node: 1 3 4 5DUP-3 1 2-6-5-4
 - Node: 17DUP-3-2-1-5-4

Each node is accompanied by a Dynkin diagram with nodes and edges labeled with numbers and colors (blue, red, green). The diagrams represent different configurations of the E6 root system, including various foldings and dualities.