

Diagram illustrating the structure of the $5-4-3-2-1-6$ root system, showing the root system and its associated Dynkin diagram.

The root system is represented by a tree structure of nodes and edges. The root node is labeled $5-4-3-2-1-6$. The edges are labeled with the corresponding root values: $4-3$, $5-4$, $5-6$, $2-3$, $4-5$, and $2-3$.

The Dynkin diagram is shown below the root system, consisting of six nodes arranged in a linear sequence. The nodes are labeled with the corresponding root values: $4-3$, $5-4$, $5-6$, $2-3$, $4-5$, and $2-3$.

The diagram illustrates the structure of the $5-4-3-2-1-6$ root system, showing the root system and its associated Dynkin diagram.