

Diagram illustrating the construction of a Coxeter complex for the group  $W$  using a sequence of generators  $s_1, s_2, s_3, s_4, s_5, s_6$ . The diagram shows a tree-like structure of nodes and edges, where each node is labeled with a sequence of generators (e.g.,  $-1-2-3-4-5$ ) and each edge is labeled with a generator (e.g.,  $s_1$ ).

The diagram is organized into three main sections, each showing a different part of the complex:

- Top Section:** Shows the initial construction starting from the root node  $ROOT$ . The root is labeled  $ROOT -1-2-3-4-5$ . The edges are labeled  $s_1, s_2, s_3, s_4, s_5, s_6$ .
- Middle Section:** Shows the construction of the complex for the group  $W$ . The nodes are labeled with sequences of generators, and the edges are labeled with the generators  $s_1, s_2, s_3, s_4, s_5, s_6$ .
- Bottom Section:** Shows the construction of the complex for the group  $W$  using a sequence of generators  $s_1, s_2, s_3, s_4, s_5, s_6$ . The nodes are labeled with sequences of generators, and the edges are labeled with the generators  $s_1, s_2, s_3, s_4, s_5, s_6$ .

The diagram illustrates the construction of a Coxeter complex for the group  $W$  using a sequence of generators  $s_1, s_2, s_3, s_4, s_5, s_6$ . The diagram shows a tree-like structure of nodes and edges, where each node is labeled with a sequence of generators (e.g.,  $-1-2-3-4-5$ ) and each edge is labeled with a generator (e.g.,  $s_1$ ).