

Diagram illustrating the structure of the  $W$ -module  $W(-251, -63)$  for  $W = F_4$ . The diagram shows a branching structure starting from the root  $W(-251, -63)$  at the top, branching down to  $2451, -63$ , and then further branching into various submodules. The submodules are labeled with their highest weights, and the branching is indicated by lines connecting them. The diagram is organized into rows, with the top row showing the root and its immediate children, and subsequent rows showing further branching. The submodules are labeled with their highest weights, and the branching is indicated by lines connecting them. The diagram is organized into rows, with the top row showing the root and its immediate children, and subsequent rows showing further branching. The submodules are labeled with their highest weights, and the branching is indicated by lines connecting them.