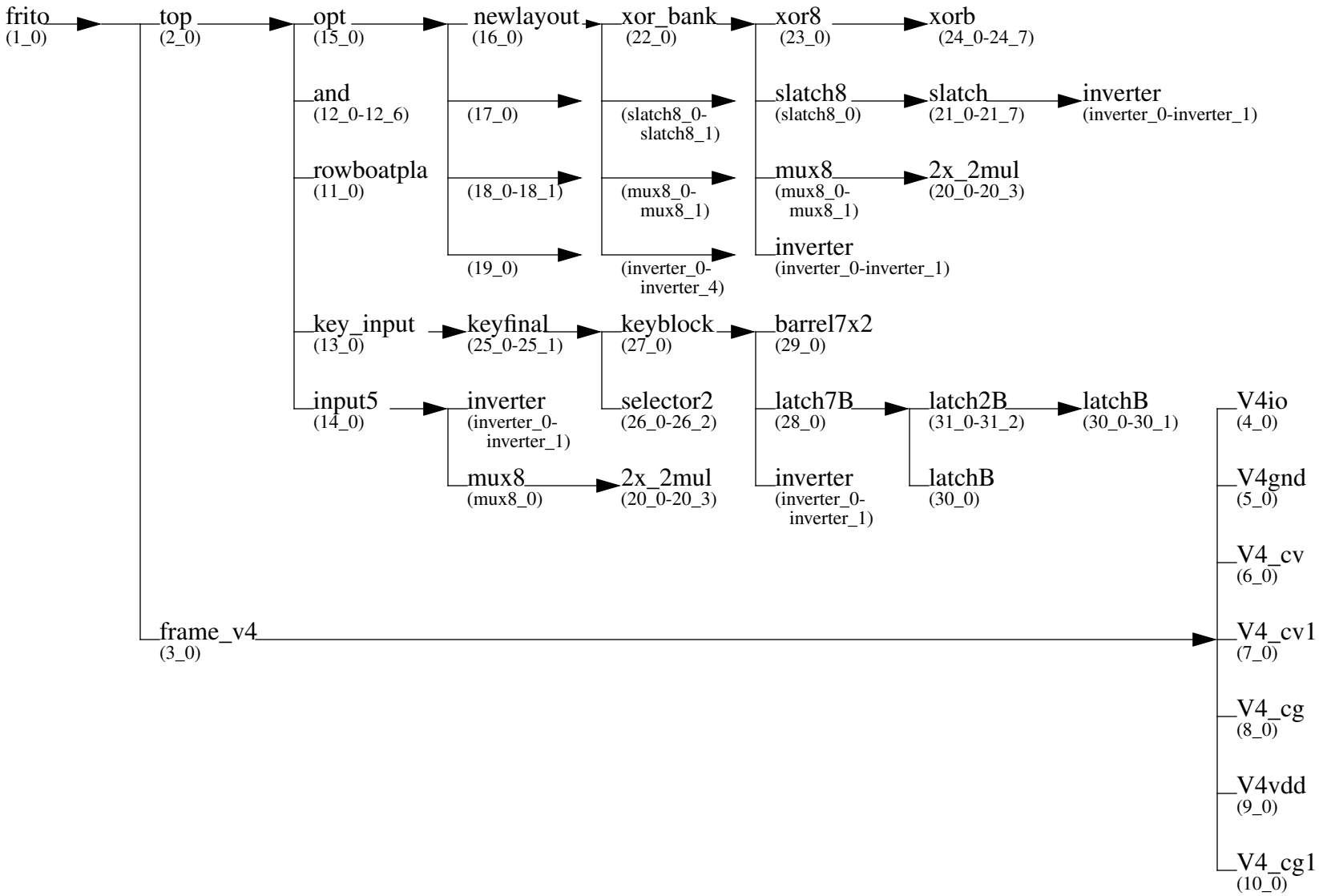Cell Hierarchy