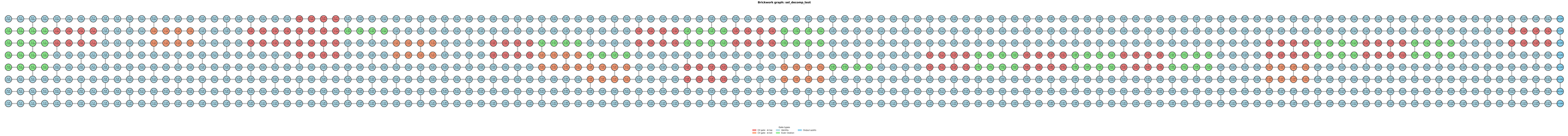Brickwork graph: sel_decomp_test