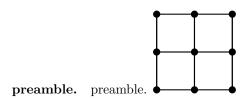
Quantum LTC With Positive Rate

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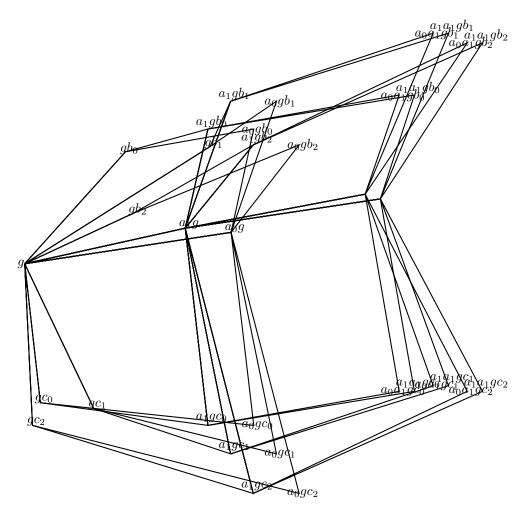


Figure 1: Square of the complex, with edges $(g, ag), (agb, gb) \in E_A, (g, gb), (agb, ag) \in E_B$.

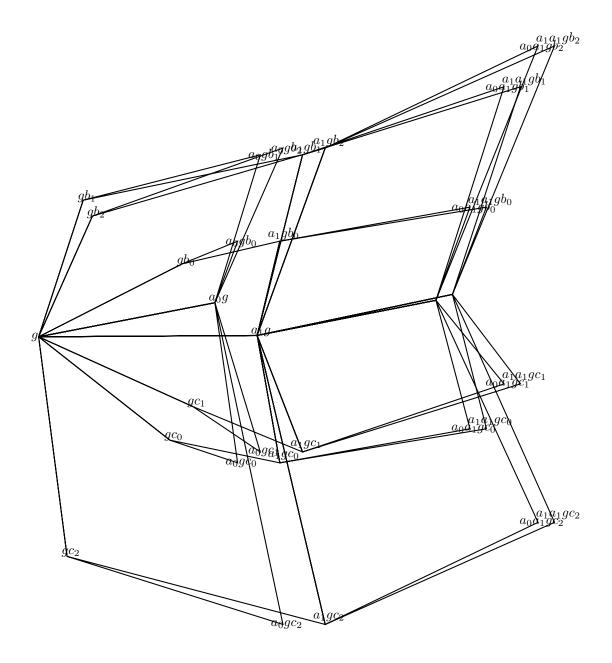


Figure 2: Square of the complex, with edges $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$

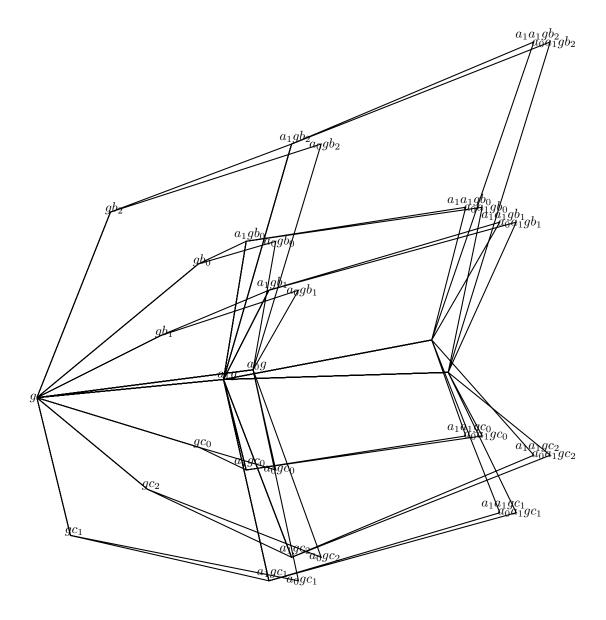


Figure 3: Square of the complex, with edges $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$

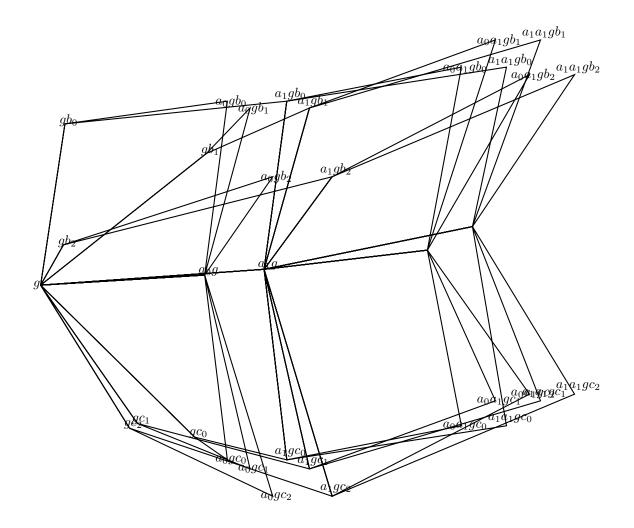


Figure 4: Square of the complex, with edges $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$