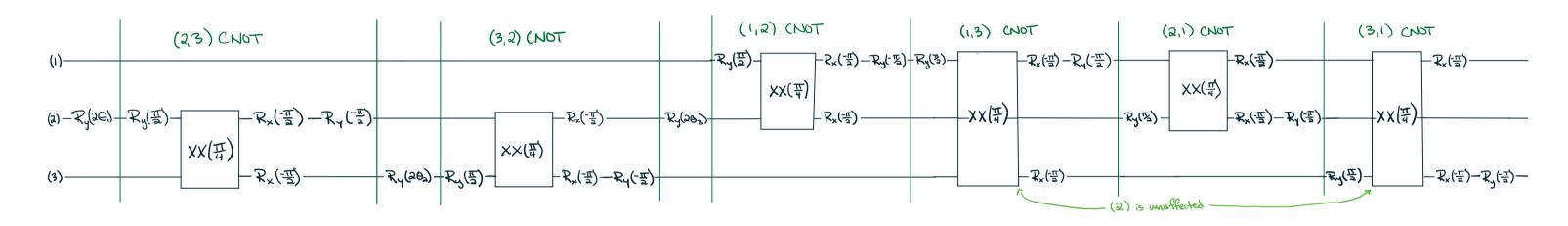
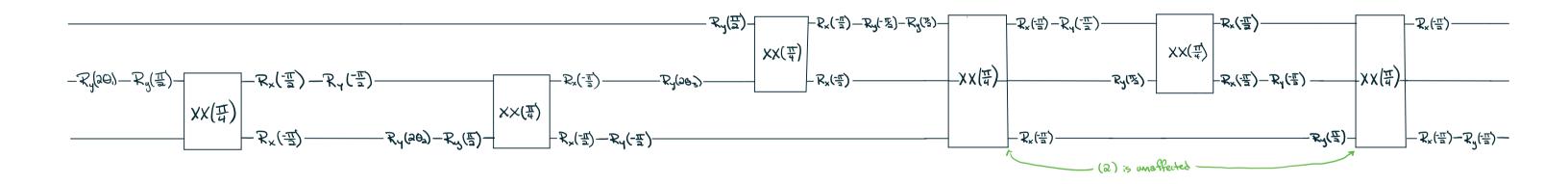
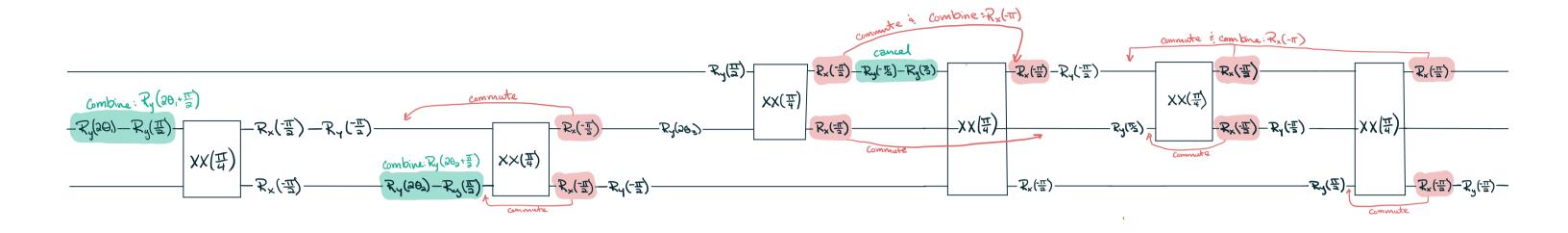


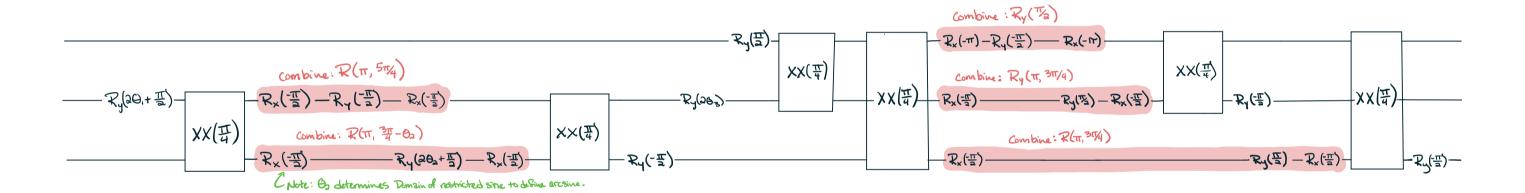
Converting CNOT to XX, Rx, 9 Ry

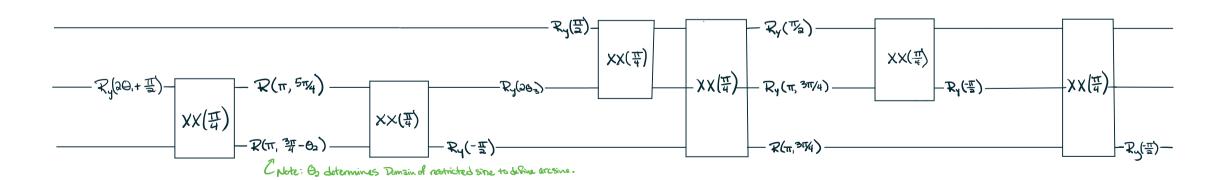




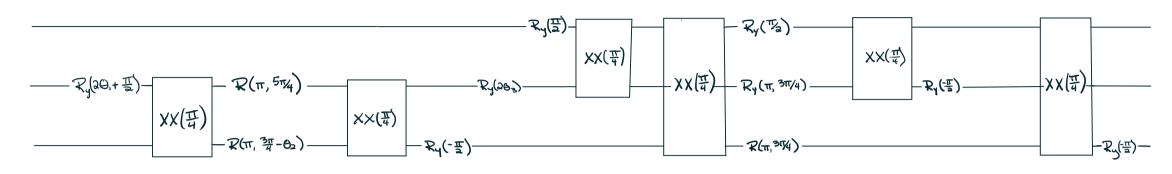
Simplifying using R(Tr, A) & Maslov Identities







Converting to long Native Gates



$$\begin{array}{lll} & \chi\chi(\Xi) \longrightarrow \mathsf{MS}(0,0) & \mathcal{R}_y(\Xi) \longrightarrow \mathsf{GP}; \mathcal{A}(\Xi) \\ & \mathcal{R}_y(\Xi) \longrightarrow \mathsf{GP}; \mathcal{A}(\Xi) \longrightarrow$$

