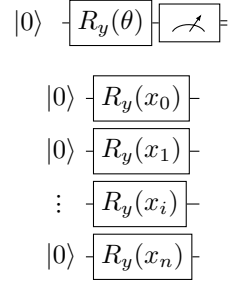
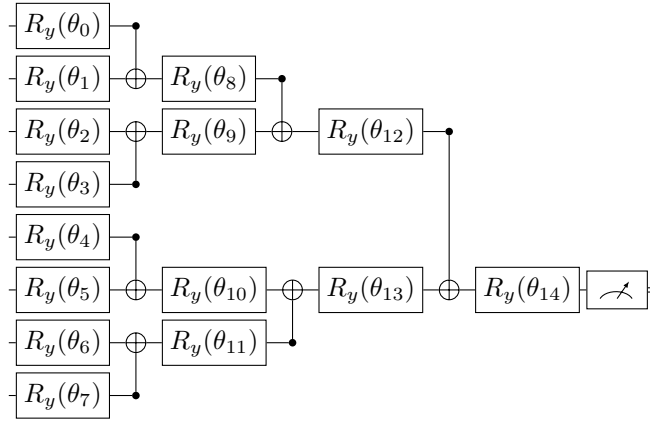


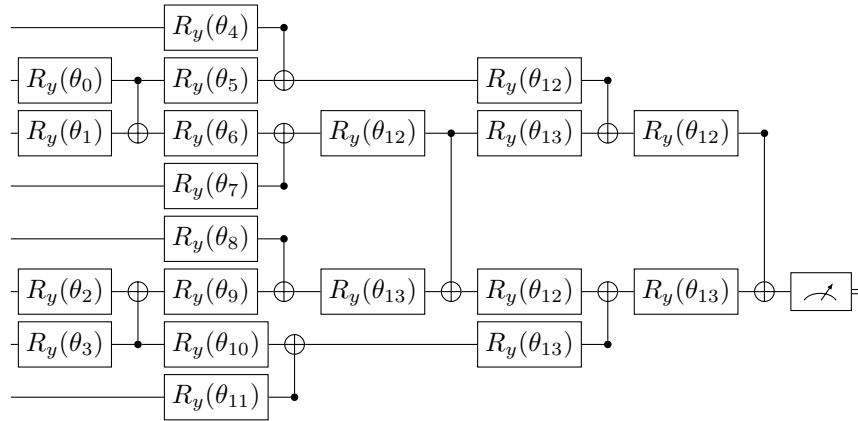
Information Encoding Circuit



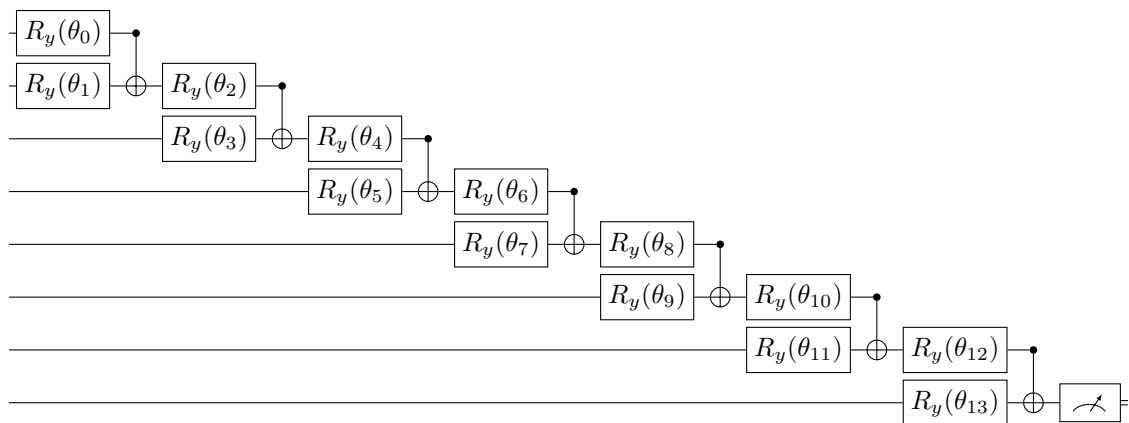
TTN 8-qubit Circuit



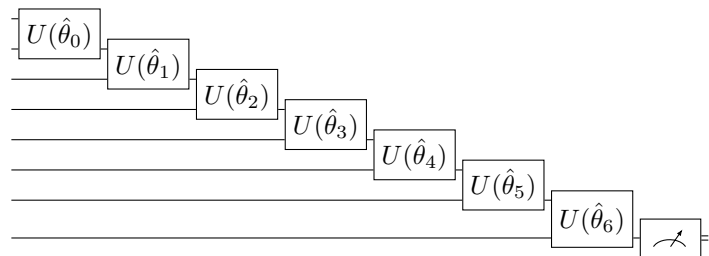
MERA 8-qubit Circuit



MPS 8-qubit Circuit



MPS 8-qubit Circuit



define U

$$U(\hat{\theta}_i) = \begin{array}{c} \boxed{R_y(\theta_{i0})} \\ \boxed{R_y(\theta_{i1})} \end{array} \begin{array}{c} \bullet \\ \oplus \end{array}$$