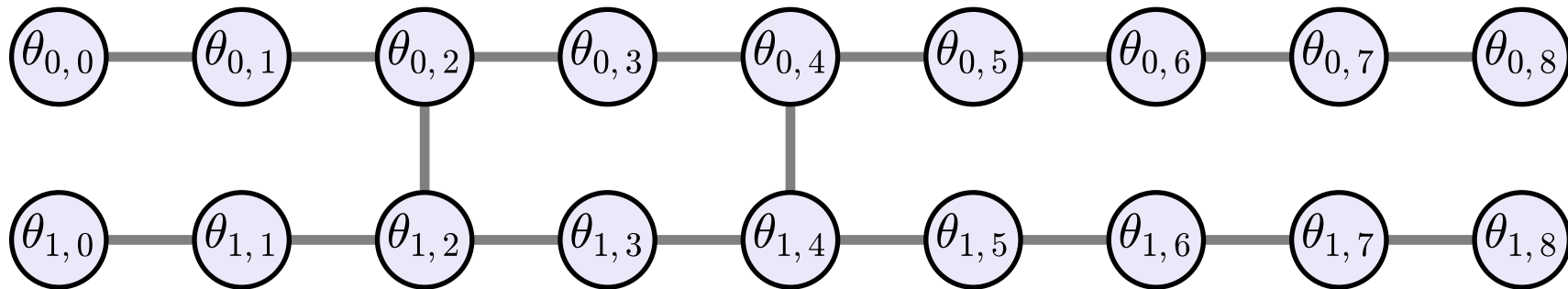


## UBQC structure



$$\{ |+\delta_{x,y}\rangle, |-\delta_{x,y}\rangle \}, \quad \delta_{x,y} = \phi'_{x,y} + \theta_{x,y} + \pi r_{x,y}$$