

n qubitss

 $egin{aligned} ext{Procedure parallelSimulation}(\mathcal{P}^d,|x_n
angle) : \ & ext{forall} \ \ W^p \in \{\mathcal{P}^p \mid p \in [d]\} \ \ ext{do} \ & ext{foreach} \ \ C^p \in W^p \ \ ext{do in parallel} \ & ext{updateTableau}(C^p,|x_n
angle) \end{aligned}$

Procedure update Tableau (C^p) :

 $egin{aligned} \mathbf{foreach} \ i \in X^{n imes n} \cup Z^{n imes n} \ \mathbf{do\ in\ parallel} \ \mathbf{applyOperator}(C^p,i) \end{aligned}$