

Order

$$U_{0:m-1}(\boldsymbol{\theta}_{0:m-1}) \equiv U(\boldsymbol{\theta})$$

\mathbb{I}_{2^n}

$$U_{0:m-2}(\boldsymbol{\theta}_{0:m-2})$$

$$U_{m-1}(\theta_{m-1})$$

...

...

$$U_{0:1}(\boldsymbol{\theta}_{0:1})$$

$$U_{2:m-1}(\boldsymbol{\theta}_{2:m-1})$$

$$U_0(\theta_0)$$

$$U_{1:m-1}(\boldsymbol{\theta}_{1:m-1})$$

U_{head}

U_{tail}

$d \uparrow$

$d \downarrow$