

 $\mathbb{P}^{\mathbf{q}} \mathbb{P}^{\mathbf{q}}_{\mathbf{q}} \mathbb{P}^{\mathbf{q}}_{\mathbf{q}} = \mathbb{P}^{\mathbf{q}}_{\mathbf{q}} \mathbb{P}^{\mathbf{q}}_{\mathbf{q}} = \mathbb{P}^{\mathbf{q}}_{\mathbf{q}} \mathbb{P}^{\mathbf{q}}_{\mathbf{q}}} \mathbb{P}^{\mathbf{q}}_{\mathbf{q}} \mathbb{P}^{\mathbf{q}}_{$