

$$\mathbb{1} \nabla \text{ right cov} \left\{ \mathbb{1} \xleftarrow[\text{res}]{\text{proj}} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \right.$$

$$= \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \quad \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}}_1 \quad \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}}_n \quad \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}}_{n+1}$$

$$\mathbb{K} \nabla \text{ right cov} \left\{ \overline{\mathbb{1} \nabla \mathbb{K}} \xleftarrow[\text{res}]{\text{proj}} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \xleftarrow{\partial} \right.$$

$$= \overline{\mathbb{1} \nabla \mathbb{K}} \quad \overline{\mathbb{1} \nabla \mathbb{K}}_1 \quad \overline{\mathbb{1} \nabla \mathbb{K}}_n \quad \overline{\mathbb{1} \nabla \mathbb{K}}_{n+1}$$

$$\overline{\mathbb{1} \nabla \mathbb{K}} = \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} = \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}} \quad \overline{\mathbb{1} \nabla \mathbb{K} \nabla \mathbb{1}}_n$$