



$$\mathbf{z} = \left[ \underbrace{z_{11}^T, \dots, z_{1K}^T}_{\tilde{\mathbf{z}}_1^T}, \dots, \underbrace{z_{L1}^T, \dots, z_{LK}^T}_{\tilde{\mathbf{z}}_L^T} \right]^T$$

Beamforming coefficients of  
the first RRH, forming a **group**