# How do we use it?

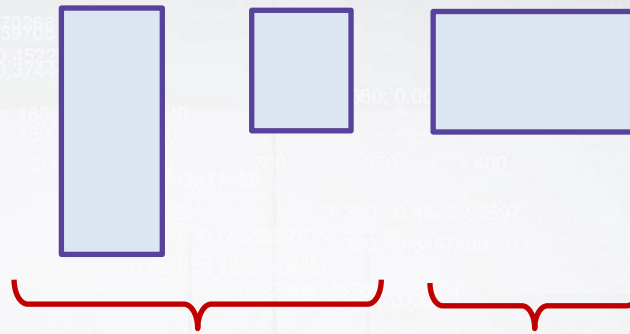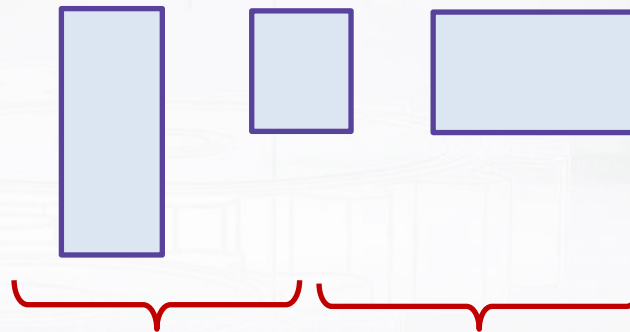**Option 1:**

$$\Phi = U_k \Sigma_k \quad \Theta = V_k^T$$

**Option 2:**

$$\Phi = U_k \sqrt{\Sigma_k} \quad \Theta = \sqrt{\Sigma_k} V_k^T$$