

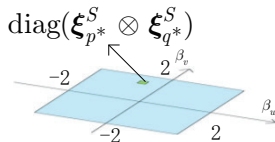
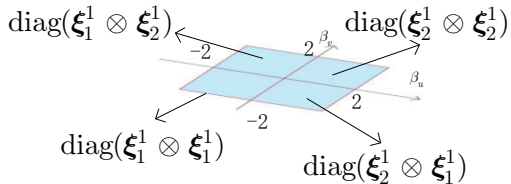
Choose the best code

$$\Phi_{p,q} = \text{diag}(\xi_p^s \otimes \xi_q^s)$$

$$\{p^*, q^*\} = \underset{p,q}{\text{arg max}} d^H \Phi_{p,q} a$$

Choose the best code in the next layer

Repeat the choosing process until $\xi_{p^*}^s$ and $\xi_{q^*}^s$ are chosen



$$\text{Result: } \Phi_{\text{best}} = \text{diag}(\xi_{p^*}^S \otimes \xi_{q^*}^S)$$