

$$V \times W \xrightarrow{k(v_i, w_j) = \delta_{(v_i, w_j)}} \mathcal{V}(V \times W)$$

$$\searrow \alpha(v_i, w_j) \rightarrow X$$

$$\downarrow \quad \varnothing_\alpha(\delta_{(v_i, w_j)}) = \alpha(v_i, w_j)$$