$$\forall \mathbf{a} \in \mathcal{V},$$

$$\mathbf{T}^\intercal \left\{ \begin{array}{l} f(\mathbf{a}) \implies \text{数} \\ \qquad \qquad \quad \| \\ g(\mathbf{Ta}) \implies \text{数} \end{array} \right.$$