

$$\begin{array}{ccc}
 F_t(x) & \xrightarrow{\quad \mathcal{B}_t \quad} & F(x) \\
 \mathcal{B}_X \downarrow & \nearrow \text{---} & \downarrow \mathcal{B}_T \\
 A_t & \xrightarrow{\quad \mathcal{B}_T \quad} & A
 \end{array}$$

A commutative diagram illustrating a relationship between functions and sets. The top row shows a function $F_t(x)$ mapping to $F(x)$ via a transformation \mathcal{B}_t . The bottom row shows a function A_t mapping to A via a transformation \mathcal{B}_T . Vertical arrows represent mappings \mathcal{B}_X from $F_t(x)$ to A_t and \mathcal{B}_T from $F(x)$ to A . A dashed diagonal arrow labeled \exists connects A_t to $F(x)$, indicating the existence of a mapping between the intermediate set A_t and the final set $F(x)$.