

$$\begin{array}{ccc} F_t(x) & \xrightarrow{\mathcal{B}_t} & F(x) \\ \mathcal{B}_X \downarrow & \dashrightarrow \exists & \downarrow \mathcal{B}_T \\ A_t & \xrightarrow{\mathcal{B}_T} & A \end{array}$$