

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