

$$\begin{array}{ccccc}
 D^n \times \{0\} \cup S^{n-1} \times [0, 1] & \xrightarrow{\bar{\varphi} \times \{0\} \cup \varphi \times [0, 1]} & X \times \{0\} \cup A \times [0, 1] & \xrightarrow{\bar{f}} & E \\
 \downarrow & & \downarrow f & \nearrow \text{dashed} & \downarrow p \\
 D^n \times [0, 1] & \xrightarrow{\bar{\varphi} \times [0, 1]} & X \times [0, 1] & \xrightarrow{h} & B \\
 & \nearrow \text{dashed } h' & & & 
 \end{array}$$