

$$E(\alpha) \qquad \xrightarrow{\psi} \qquad F(\beta)$$

$$\downarrow \sigma \qquad \qquad \qquad \downarrow \tau$$

$$E[x]/\langle p(x) \rangle \qquad \xrightarrow{\overline{\phi}} \qquad F[x]/\langle q(x) \rangle$$

$$\downarrow \qquad \qquad \qquad \downarrow$$

$$E \qquad \qquad \xrightarrow{\phi} \qquad F$$