$$\mathcal{P}_{k}(W)_{L} \xrightarrow{\sim} \mathcal{P}_{L}(W_{L})$$

$$\parallel \wr \qquad \qquad \parallel \wr$$

$$k[X_{1}, \dots, X_{n}]_{L} \xrightarrow{\sim} L[X_{1}, \dots, X_{n}]$$