$$X_n \times |\Delta^n| \xrightarrow{(1,|\Delta^\varphi|)} X_n \times |\Delta^m| \xleftarrow{(X_\varphi,1)} X_m \times |\Delta^m|$$

$$(a,x) \longmapsto \bullet \longleftarrow\!\shortmid (b,y)$$