$$ {}^{m}_{\complement}\mathbb{K}_{m+n} = \frac{\lightning \in {}^{m}\mathbb{K}_{m+n}}{\operatorname{rang} \lightning = m} = \left\{ \mathbb{K}_m \xrightarrow[\text{inj}]{\lightning} \mathbb{K}_{m+n} \right\} $$

$$ {}^{m}_{\complement}\mathbb{K}_{m+n} \leftarrow {}^{m}_{\complement}\mathbb{K}_m \ltimes {}^{m}_{\complement}\mathbb{K}_{m+n} $$

$$ \lightning\lightning \hookleftarrow \lightning : \lightning $$