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epimorphic extension

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Entry type	Definition
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Related topic	EpimorphicHull
Defines	epimorphic extension

Let \mathcal{C} be a category and $f \in \mathcal{C}(A, B)$ for some $A, B \in \text{Ob}(\mathcal{C})$. Then f is said to be an *epimorphic extension* if it is both an epimorphism and a monomorphism.

For instance, in the category of rings we say that a ring B is an epimorphic extension of another ring A , if A is a subring of B and the canonical homomorphism between A and B is an epimorphism.