tacit extension

Canonical name	TacitExtension
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Owner	Jon Awbrey (15246)
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Numerical id	5
Author	Jon Awbrey (15246)
Entry type	Definition
Classification	msc 68R01
Classification	msc 68P15
Classification	msc 08A02
Classification	msc 05C65
Classification	msc 05B30
Classification	msc 05B20
Classification	msc 03E20
Classification	msc 03B10
Synonym	inverse projection
Related topic	Projection
Related topic	RelationComposition2
Related topic	RelationReduction
Related topic	RelationConstruction

A **tacit extension** is an injection of a set into a Cartesian product that has that set as one of its factors. There are many such injections, all of which serve as inverse operations to the projection of the Cartesian product onto the set in question, but the tacit extension is the one that places no additional constraints on the injection mapping.