logical matrix

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Synonym	Boolean matrix
Related topic	RelationTheory
Related topic	RelationComposition2
Related topic	MatrixRepresentationOfRelationComposition
Related topic	TriadicRelation
Defines	logical matrix

A **logical matrix**, in the finite dimensional case, is a k-dimensional array with entries from the Boolean domain $\mathbb{B} = \{0, 1\}$. Such a matrix affords a matrix representation of a k-adic relation.