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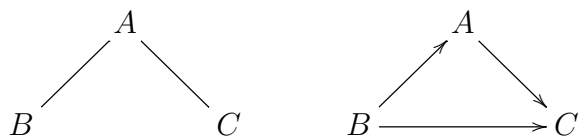
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acyclic graph

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Entry type	Definition
Classification	msc 05C38
Synonym	acyclic
Synonym	DAG
Related topic	Graph
Related topic	Cycle
Related topic	BetheLattice
Defines	directed acyclic graph

Any graph that contains no cycles is an *acyclic graph*. A directed acyclic graph is often called a DAG for short.

For example, the following graph and digraph are acyclic.



In contrast, the following graph and digraph are *not* acyclic, because each contains a cycle.

