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meet

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Synonym and operator

Related topic Join

Related topic Semilattice

Defines meet-semilattice
Defines meet semilattice
Defines lower semilattice

Certain posets X have a binary operation meet denoted by \wedge , such that $x \wedge y$ is the greatest lower bound of x and y. Such posets are called meet-semilattices, or \wedge -semilattices, or lower semilattices.

If m and m' are both meets of x and y, then $m \le m'$ and $m \ge m'$, and so m = m'; thus a meet, if it exists, is unique. The meet is also known as the and operator.