Set operations

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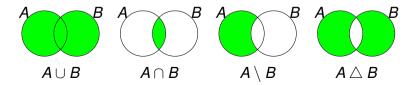
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A, B, C sets.

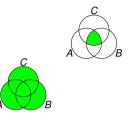
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►
$$(A \cap B) \cap C = A \cap (B \cap C).$$



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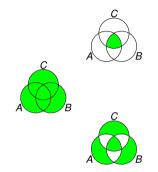
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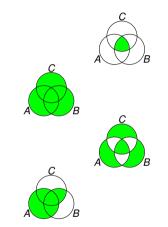


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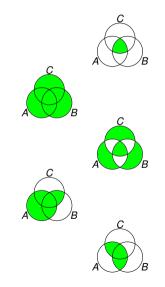
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A, B sets. The Cartesian product

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 $\{1,2,3\}\times\{3,4,5\}=\{(1,3),(1,4),(1,5),(2,3),(2,4),(2,5),(3,3),(3,4),(3,5)\}.$