



This is a sketch of the proof of the following fact:
 If class C is the Cartesian product of classes A and B, with generating functions C(x), A(x), and B(x), respectively, then C(x) = A(x)B(x).

Sketching the logic of a proof can help you to understand the proof and may also help you decide how to write the proof.

This sketch also illustrates why writing mathematics is often challenging: logic that requires two (or more) dimensions to display must be condensed to one dimension to fit within a single continuous line of text.

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