Braces

In 2007, Rump introduced braces in order to find set-theoretical solutions of the Yang-Baxter equation. A basic equation of statistical mechanics.

Skew Brace

Semi-brace

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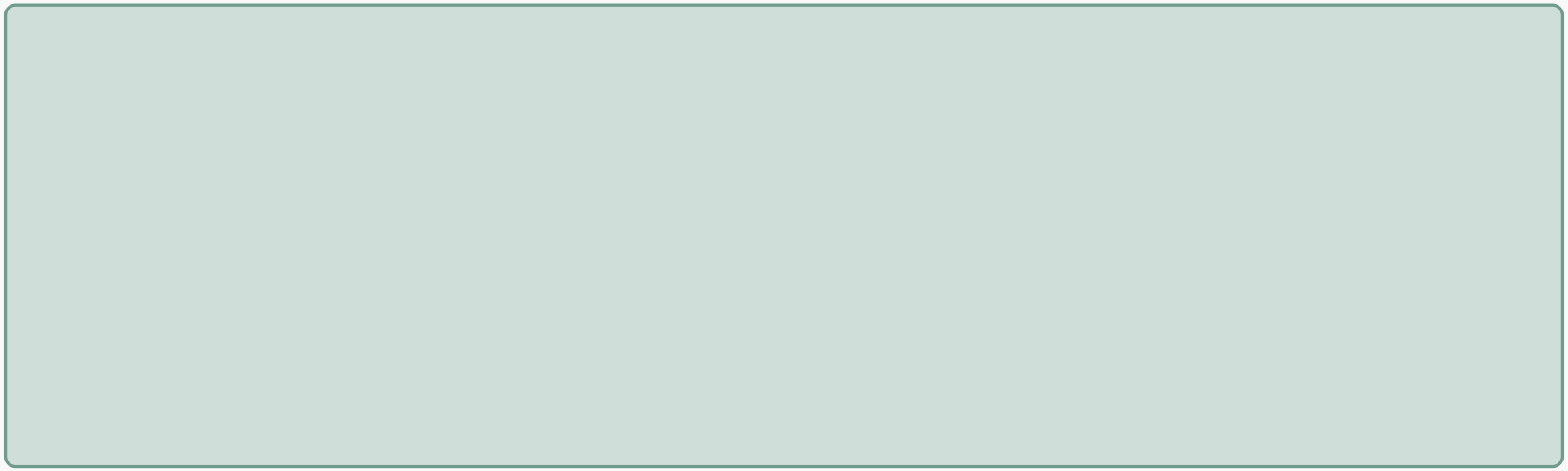

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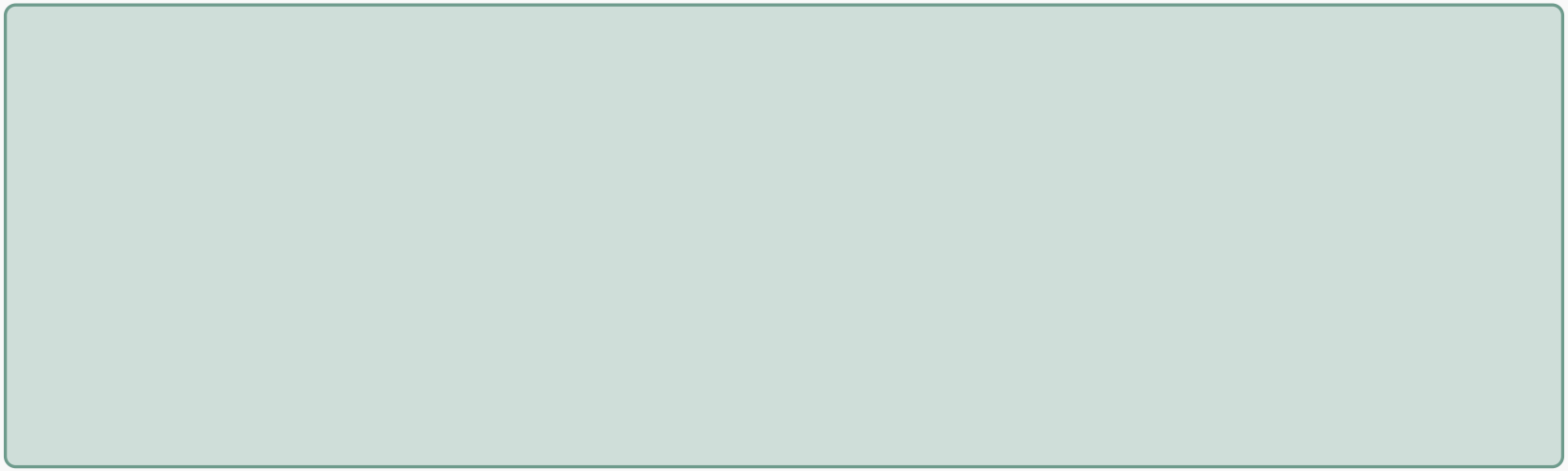

Definitions and Examples

Properties

Examples of semi-braces

1. If $(E; \ )$ is a group, then $(E; +; \ )$, where

First properties

Note that, if B

A structural theorem for semi-brace (II)

The socle

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Thank you for your attention!