Quartet Class

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1   Overview

This class is used to model a weighted quartet system. The quartets themselves are modelled by a vector of four elements, $ijkl$, which means that we have the quartet $ij|kl$. Also present is a vector of quartet weights and leaf labels.

2   Fields

The class has the following fields:

- m, an integer giving the number of quartets

- n, an integer giving the number of taxa

- an $m \times 4$ matrix, where each row represent a quartet as described in the overview

- a vector of size n of labels

- a vector of size m of quartet weights

3   Methods

A method which checks the compatibility of a set of quartets modelled by this class has been written. The user is referred to the documentation of this method for more details.