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Deformations of the wheeled Lie bialgebra properad

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I give a short description of a recent result of mine. I compute the homotopy deformations of the wheeled Lie bialgebra, and show that it is quasi isomorphic to a subcomplex of the directed Kontsevich graph complex consisting of graphs with at least one source and one target vertex. Most interestingly is that this complex is (probably) not quasi-isomorphic to the original Kontsevich graphs complex, which was otherwise suspected.

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