How to basicalize KLR algebras

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KLR algebras are introduced to categorify the negative part of the associated quantum group. From another point of view, they are a class of infinite dimensional algebra, defined by two data: a quiver and a weight on its vertices. It is not so pathological, therefore we know we can obtain a basic algebra Morita equivalent to a KLR algebra as a quiver with relations in principle. In this talk, I will explain an explicit algorithm for that in some special cases.

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