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*Abstract properties of monads arising in combinatorics*

A number of examples show that certain combinatorial constructions arise as monads. Their associated Kleisli categories have a some interesting categorical properties that seem to distinguish the combinatorial context from others.

A suitable axiomatization of these properties allows to prove some facts valid for the aforementioned examples in a completely abstract way. We see this as suggesting the possibility of an abstract account of an interesting class of categories of combinatorial objects. In this talk we state the abstract properties and results and explain how they manifest in the examples.