

THE EXTENSION MONOID PRODUCT OF PREINJECTIVE
KRONECKER MODULES

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Abstract. We explore the combinatorial properties of the extension monoid product of preinjective Kronecker modules. We state a theorem which characterizes the extension monoid product of preinjective (and dually preprojective) Kronecker modules in the most general case, over an arbitrary base field. As corollaries, we give another proof of an interesting theorem from [7] and restate the main theorem from [9] (also extending these results over arbitrary fields).

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Key words. Kronecker algebra, Kronecker module, extension monoid product.

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