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Cody W Armond* (armond.2@osu.edu), Ohio State University at Mansfield, Mansfield, OH 44906. *Determining the lowest degree terms of the tail of the colored Jones polynomial from the reduced B-graph.* Preliminary report.

The colored Jones polynomial is a sequence of Laurent polynomials. For alternating knots, the sequence of leading coefficients stabilize to produce a power series called its tail. It is known that this tail depends only on the reduced B-graph of the knot. It is conjectured that the coefficients are determined by counting certain types of subgraphs of sizes less than or equal to the degree of the term in question. We will discuss the case when looking at a term whose degree is less than or equal to the size of the smallest cycle in the graph. (Received March 20, 2017)