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Razvan Gelca*, 1108 Memorial Circle Drive, Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409, and Shamonvenishiya Almeida, 1108 Memorial Circle Dr., Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409. A linear map that computes colored Jones polynomials. Preliminary report.

We will describe a linear map that acts on the skein module of a knot complement. This linear map gives rise to a recursive way to compute colored Jones polynomials. We will discuss the examples of the trefoil and figure 8 knots. (Received February 11, 2020)