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(3) We believe that our approach to the Morton-Franks-Williams inequalities could be developed to yield more precise results on the cases of equality (which appear to be extremely frequent). For instance it is shown in [A], Proposition 7 that the first (respectively: third) inequality of Proposition 10 holds with equality if all vertices of  $D$  have negative (respectively: positive) sign.

(4) Proposition 12 can be interpreted in terms of explicit matrix representations of Hecke algebras. The homfly polynomial of a braid diagram appears as the trace of a matrix indexed by its labellings. This matrix can be computed as a product consisting of one matrix for each crossing (which incorporates the interaction and writhe contributions) and a final diagonal matrix which assigns suitable weights to the various labellings.

(5) The known relationship of the Jones sequence of state models with solutions of the Yang-Baxter equation suggests that theoretical physics might provide an interpretation of the properties of the product operation for homfly polynomials. An algebraic generalization of this operation is given by V. G. Turaev in: Algebras of loops on surfaces, algebras of knots, and quantization, LOMI preprint E-10-88.

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