Nepomechie, Rafael I.; Pimenta, Rodrigo A.
Algebraic Bethe ansatz for the Temperley-Lieb spin-1 chain. (English) Zbl 1345.82008
Nucl. Phys., B 910, 885-909 (2016).

Summary: We use the algebraic Bethe ansatz to obtain the eigenvalues and eigenvectors of the spin-1 Temperley-Lieb open quantum chain with “ree” boundary conditions. We exploit the associated reflection algebra in order to prove the off-shell equation satisfied by the Bethe vectors.

MSC:
82B20 Lattice systems (Ising, dimer, Potts, etc.) and systems on graphs arising in equilibrium statistical mechanics
82B23 Exactly solvable models; Bethe ansatz

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