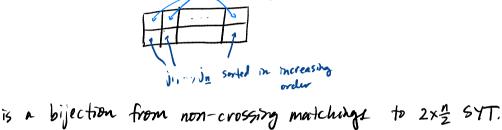
Lecture Series A - Problem Set 4 1. Show that = as Ug(Slz) tensor invariants.

2. Let \$(i,<),,..., (in < jn) be the arcs in a non-crossing matching of Show that the map sending this to



3. Evaluate ( ) as a Ug(slz) tensor invariant.

(Since there are no boundary vertices this will be in 
$$\mathbb{C}(q^{1/q})$$
).

Conclude that this knot is not isotopic to the unknot.

4. Show

as SL3 tensor invariants (recall that tags can be omitted when r is odd).