# Homework Assignment 7: $so(N)$

Assigned Thursday October 30; due Thursday November 6 in class.

To be handed in.   Describe a simple combinatorial algorithm for the computation of $W_{so(N)}(D)$, where D is an abitrary chord diagram.

Recommended for extra practice.   Describe a simple combinatorial algorithm for the computation of $W_{sl(N)}(D)$, where D is an abitrary chord diagram.

Just for fun.   A capital letter T is formed from five identical squares, by arranging three squares across the top and two more directly under the center square:
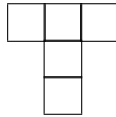
How can the resulting letter be cut into FOUR pieces of identical size and shape? (The pieces may be turned over to check that they are identical.) (Credit: Peter Malcolmson, Wayne State University)