1100-13-314   **Chris Francisco**, **Jeff Mermin*** (`mermin@math.okstate.edu`) and **Jay Schweig**. *An unsatisfying bijection.*

Let I be the smallest Borel-xed ideal containing the monomial $x_1 x_2 \ldots x_n$. Recently we discovered that the graded Betti numbers of I count the pointed pseudo-triangulations of a geometric conguration called the *single chain*. The connection was purely numerical, and so offered no insight into the combinatorial structure of either object.

Now, we define bijections connecting a basis for the resolution of I with pointed pseudo-triangulations and with marked binary trees. These bijections are unsatisfying in the sense that the differential from the resolution does not appear to correspond to a natural map on the spaces of pseudo-triangulations or trees. (Received February 10, 2014)

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