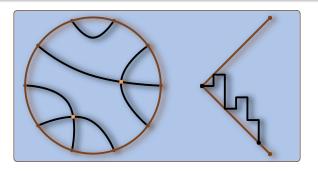
## $\mathsf{Theorem}:$

The number of chord diagrams with n chords and m crossings

the number of walks ending at (-n, n) with n east steps and m north steps



Open problem: find a bijective proof

## A lot is known about crossing/nesting statistics:

 Crossings and nestings of matchings and partitions, R.P. Stanley et al Trans. Amer. Math. Soc. 359 (2007), 1555-1575.
Applications of oscillating tableaux and vacillating tableaux to the enumeration of matchings and set partitions with conditions on crossings and nestings.