

## HOMAGE TO CATALAN

**Algebraists** might wonder, “How many ways are there to parenthesize a product of  $n$  factors?”

**Geometers** might wonder, “How many ways are there to triangulate a convex  $n$ -gon?”

**Computer Scientists** might wonder, “How many incomplete binary trees are there on  $n$  nodes?”

**Combinatorialists** might wonder, “How many lattice paths of length  $2n$  start and end on the  $x$ -axis and never drop below it?”

**Students** might wonder, “What’s there to eat?”

Surprisingly, 4 out of the 5 of these questions have the same answer: the Catalan numbers!

All 5 of these questions will be resolved at

**Mathophiles, Monday, 1/28, 3PM, D209.**

Come if you want either **MATH** or **FOOD!**