

Lecture n

*Lecture date: Feb 1, 2011**Notes by: your name here*

1 The ubiquitousness of Catalan numbers

Theorem 1 *Catalan numbers appear everywhere, even in this template:*

$$C_n = \frac{1}{n+1} \binom{2n}{n}.$$

Example 2 *They C_n^a even appear raised to a power in the middle of a sentence.*

Proof: Obvious. \square