Douglas E. Iannucci and Florian Luca
Catalan numbers, factorials, and sums of aliquot parts, Fibonacci Quart. 45 (2007), no. 4, 327-336.

## Abstract

Let $\mathcal{A}$ be the set of all Catalan numbers and factorials. In this note, we look at positive integers $n \in \mathcal{A}$ whose sum of aliquot parts also belongs to $\mathcal{A}$.

