

## Problem #16

@integral\_dx

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Show that if  $n \in \mathbb{N}$ ,  $x_i > 0$  for  $i \in \{1, 2, \dots, n\}$ , then

$$\sum_{i=1}^n x_i^n \geq n \prod_{i=1}^n x_i$$

DM your solution to be featured!