

Justify all answers!

(Rewrite) [+2] Give a counterexample to the claim you were asked to prove in the homework if x_1, \dots, x_n are allowed to be any real numbers and not required to be in $[0, 1]$. That is, for some $n \in \mathbb{N}$, find real numbers x_1, \dots, x_n , for which $\prod_{i=1}^n (1 - x_i) < 1 - \sum_{i=1}^n x_i$.