Problema săptămânii 73
Fie $x_1, x_2, \ldots, x_{n+1}$ numere reale pozitive. Arătaţi că

$$\frac{1}{x_1} + \frac{x_1}{x_2} + \frac{x_1x_2}{x_3} + \frac{x_1x_2x_3}{x_4} + \cdots + \frac{x_1x_2\ldots x_n}{x_{n+1}} \geq 4(1 - x_1x_2\ldots x_{n+1}).$$

Problem of the week no. 73
Let $x_1, x_2, \ldots, x_{n+1}$ be positive real numbers. Prove that

$$\frac{1}{x_1} + \frac{x_1}{x_2} + \frac{x_1x_2}{x_3} + \frac{x_1x_2x_3}{x_4} + \cdots + \frac{x_1x_2\ldots x_n}{x_{n+1}} \geq 4(1 - x_1x_2\ldots x_{n+1}).$$