Problema săptămânii 174
Dacaă $a_1, a_2, \ldots, a_n > 0$, arătaţi că

$$\left(1+\frac{a_1^2}{a_2}\right)\left(1+\frac{a_2^2}{a_3}\right)\cdot\ldots\cdot\left(1+\frac{a_n^2}{a_1}\right) \geq (1+a_1)(1+a_2)\cdot\ldots\cdot(1+a_n).$$

Problem of the week no. 174
If $a_1, a_2, \ldots, a_n$ are positive real numbers, prove that

$$\left(1+\frac{a_1^2}{a_2}\right)\left(1+\frac{a_2^2}{a_3}\right)\cdot\ldots\cdot\left(1+\frac{a_n^2}{a_1}\right) \geq (1+a_1)(1+a_2)\cdot\ldots\cdot(1+a_n).$$