

Problema 4.

Se tie c $\{1, 2, \dots, 7\} = \{a_1, a_2, \dots, a_7\} = \{b_1, b_2, \dots, b_7\}$.

a) S se determine maximul i minimul sumei $S = \sum_{k=1}^7 \frac{a_k}{b_k}$.

b) Dac $S = \frac{2x+1}{2}$, $x \in \mathbb{N}$, s se arate c m car trei termeni ai sumei sunt numere naturale.