Open problems.

1. Let $P(x) = \sum_{i=0}^{n} a_i x^{n-i} = a_0 \prod_{i=1}^{n}(x - \alpha_i)$, $L(P) = \sum_{i=0}^{n} |a_i|$, $M(P) = |a_0| \prod_{i=1}^{n} \{1, |\alpha_i|\}$. Is it true that if $|\alpha_i| = 1$ for a certain $i$, then $L(P) \geq 2M(P)$?

2. (T. Ordowski) Let an increasing sequence of integers $a_i$ have the property that every positive integer is representable and only once as a difference $a_j - a_i$. Is it true that the series $\sum_{i=1}^{\infty} \frac{1}{a_{i+1} - a_i}$ is divergent?