A NEW GENERALIZATION OF A PROBLEM OF
A.G. IOACHIMESCU

ABSTRACT. In this note we consider the sequence $(e_n)_{n \geq 1}$, given by (5). It is shown that (e_n) is convergent only if $\lambda = p/r$, where r is the common difference of the aritmetical progression $(a_n)_{n \geq 1}$. For $p=2$ we obtain the sequence (4) which has been studied in [1]. If $a_1 = 1$ and $r=1$, then we obtain the sequence (3) from [2] and [7]

Universitatea din Sibiu
Catedra de Matematică
2400-Sibiu
ROMÂNIA