Attila Bérczes, Kálmán Liptai, and István Pink On Generalized Balancing Sequences, Fibonacci Quart. 48 (2010), no. 2, 121–128.

Abstract

Let $R_i = R(A, B, R_0, R_1)$ be a second order linear recurrence sequence. In the present paper we prove that any sequence $R_i = R(A, B, 0, R_1)$ with $D = A^2 + 4B > 0$, $(A, B) \neq (0, 1)$ is not a balancing sequence.