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Some Connections Between a Generalized Tribonacci Triangle and a Generalized Fibonacci Sequence,

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Abstract

In this paper we consider a generalized Fibonacci type second order linear recurrence $\{U_n\}$. We derive explicit formulas for the squares of generalized Fibonacci numbers, U_n^2 , and the products of consecutive generalized Fibonacci numbers, $U_n U_{n+1}$, by using some properties of the generalized tribonacci triangle.