

Amine Belkhir, Elif Tan, and Mehmet Dağlı
Some combinatorial aspects of bi-periodic incomplete Horadam sequences,
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Abstract

We have recently introduced the bi-periodic incomplete Horadam numbers as a generalization of incomplete Horadam numbers, and studied their properties. In this paper, we provide some combinatorial interpretations of bi-periodic incomplete Horadam numbers by using the weighted tilings approach. We also define bi-periodic hyper Horadam numbers and show that each bi-periodic hyper Horadam number can be written as the difference of a bi-periodic Horadam number and a bi-periodic incomplete Horadam number.