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On the Discriminant of the k -generalized Fibonacci Polynomial,
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Abstract

In this paper, we make some remarks about the discriminant of the k -generalized Fibonacci polynomial $X^k - X^{k-1} - \dots - X - 1$ and use our results to confirm a conjecture of Hashemi and Pirzadeh concerning the period of a sequence related to the k -generalized Fibonacci sequence.