

عنوان مقاله:

The Hadamard-type k-step Pell sequences in Finite Groups

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خلاصه مقاله:

In this work, we study the Hadamard-type k-step Pell sequence modulo m and then, we obtain the cyclic groups which are generated by the multiplicative orders of the Hadamard-type k-step Pell matrix when read modulo m . Then we extend the Hadamard-type k-step Pell sequence to groups and we redefine the Hadamard-type k-step Pell sequence by means of the elements of groups. Finally, we obtain the periods of the Hadamard-type ۳-step Pell sequence in the .semi-dihedral group SD_{2m} and the quasi-dihedral group QD_{2m}

کلمات کلیدی:

Sequence, Period, Group

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