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Permanents of Tridiagonal and Hessenberg Matrices Representing Recursive Number and Polynomial Sequences

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PERMANENTS OF TRIDIAGONAL AND HESSENBERG MATRICES REPRESENTING RECURSIVE NUMBER AND POLYNOMIAL SEQUENCES

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Here presented a generalized approach to construct tridiagonal matrices and Hessenberg matrices representing recursive number sequences and recursive polynomial sequences so that their permanents equal the values of the recursive number sequences and the expressions of the recursive polynomial sequences.