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Relations between two matrices: Fibonacci-Pascal matrix and inverse FFS polynomials matrix

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Abstract. In this article, we prove basic properties such as addition and multiplication of the Fibonacci-Frobenius-sigmoid (FFS) polynomials. we prove basic properties such as addition and multiplication of the Fibonacci-Frobenius-sigmoid (FFS) polynomials. After factorizing the FFS polynomials matrix by the Fibonacci matrix, a certain relation is derived between the inverse FFS polynomials matrix and the Fibonacci-Pascal matrix.

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