A Note on the Generalized Narayana's Cows Sequence

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Abstract. The importance of integer sequences as well as structured matrices and their applications, motivated us to explore this topic. In particular, the Narayana's cows sequence, which is closely related to the Fibonacci sequence, has recently had various applications in applied mathematics. We will give one natural generalization and try to establish further connections between structured matrices and integer sequences of the Narayana type. For some more recent results in this area, we recommend [1–3].

Keywords: Narayana's cows sequence; $r-$circulant matrix; Eigenvalue of a matrix.

References

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