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Skolem-type Sequences and Rosa

Let S be a set of positive integers. A Skolem-type sequence is a sequence of $i \in S$ such that every $i \in S$ appears exactly twice in the sequence at positions a_i and b_i, and $|b_i - a_i| = i$. These sequences might contain empty positions, which are filled with null elements. A Skolem defined and studied Skolem sequences in order to generate solutions to Heffter's difference problems. Later, Skolem sequences were generalized in many ways to suit constructions of different combinatorial designs. Alexander Rosa made the use of these generalizations into a fine art.