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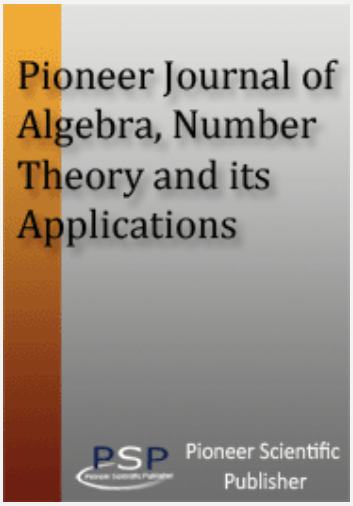

ON PALINDROMIC PARTITIONS

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Abstract

A palindromic partition of the natural number n is a partition whose parts can be rearranged so that they read the same from right to left as from left to right. (Representations that differ only in the order of terms are considered the same.) Let $p^*(n)$ denote the number of palindromic partitions of n. In this note, we show that $p^*(2n) = p^*(2n+1) = P(n)$, where $P(n)$ denotes the summation function of the ordinary partition function $p(n)$, that is, $P(n) = \sum_{k=0}^{n} p(k)$.

Keywords and phrases: partition, palindromic.