Abstract

Fibonacci partitions refer to the partitions of $\{1, 2, \ldots, n\}$ into blocks of nonconsecutive elements. The name was coined by Prodinger because there are as many nonconsecutive subsets of $\{1, 2, \ldots, n\}$ as the Fibonacci number F_{n+2} [*Fibonacci Quart.* **19** (1981), 463–465]. In this note we discuss an application of the bijection between Fibonacci partitions and standard partitions to a new formula for the number of partitions with no circular successions, that is, pairs of elements $a < b$ in a block satisfying $b - a \equiv 1 \pmod{n}$. Then we demonstrate an application of an extended form of the bijection.