

Sums of r -Lah numbers and r -Lah polynomials

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Abstract

The total number of partitions of a finite set into nonempty ordered subsets such that r distinguished elements belong to distinct ordered blocks can be described as sums of r -Lah numbers. In this paper we study this possible variant of Bell-like numbers, as well as the related r -Lah polynomials.

Keywords: Summed r -Lah numbers, r -Lah polynomials.

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Vsote r -Lahovih števil in r -Lahovi polinomi

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Povzetek

Skupno število takšnih razdelitev končne množice na neprazne urejene podmnožice, pri katerih r izbranih elementov pripada različnim urejenim blokom, je mogoče izraziti kot vsoto r -Lahovih števil. V tem članku raziskujemo ta števila, ki so podobna Bellovim, pa tudi z njimi povezane r -Lahove polinome.

Ključne besede: Sešteta r -Lahova števila, r -Lahovi polinomi.

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