33: No 5 September / Septembre 2007

Published by:

Canadian Mathematical Society
Société mathématique du Canada
577 King Edward
Ottawa, ON K1N 6N5
Fax/Télec: 613 565 1539

SYNOPSIS

From the abstract:

Erdős proved that every increasing additive function must be a constant multiple of the logarithmic function. We prove a weaker result that assumes that the function is completely additive. In particular, what this paper does show is how wide the gulf is between additive and completely additive functions: proving the result for completely additive functions is very easy, but Erdős's proof for merely additive functions required a formidable effort.

This month's "free sample" is:

3257. *Proposed by Bill Sands, University of Calgary, Calgary, AB.*

Find the number of ordered pairs (A, B) of subsets of $\{1, 2, \ldots, 13\}$ such that $|A \cup B|$ is even.

. . . .

3257. *Proposé par Bill Sands, Université de Calgary, Calgary, AB.*

Trouver le nombre de paires ordonnées (A, B) de sous-ensembles de $\{1, 2, \ldots, 13\}$ telles que $|A \cup B|$ soit pair.