October 10, 2019

Abstract

1 Problem 1, Bulgaria Round 3 Question 1, 1975

Let n be an odd natural number and a_1, a_2,..., a_n a permutation of the numbers 1, 2,...,n.

Show that the value $(a_1 - 1) * (a_2 - 2) * ...(a_n - n)$ is an even number.

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