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Some additive and multiplicative problems in number theory. (In English)

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In this paper the authors consider various additive and multiplicative problems concerning sets of integers. The major aim of this investigation is in exhibiting the relationship between the number of elements in a given set of positive integers not exceeding n and the number of integers that can always be chosen (with or without the restriction that these should lie in the given set) so that their sums (or product), taken two at the time, should all lie in the given set.

Classification:

11B99 Sequences and sets

11B83 Special sequences of integers and polynomials

00A07 Problem books