

**Problema săptămânii 57**

Fie  $a_1, a_2, \dots, a_n \geq 0$  ( $n \geq 3$ ) cu  $a_1 + a_2 + \dots + a_n = 3$ . Aflați valoarea maximă a expresiei  $a_1 + a_1a_2 + a_1a_2a_3 + \dots + a_1a_2 \dots a_n$ .

*Alexandru Mihalcu*

**Problem of the week no. 57**

Let  $a_1, a_2, \dots, a_n \geq 0$  ( $n \geq 3$ ) such that  $a_1 + a_2 + \dots + a_n = 3$ . Find the maximum value of  $a_1 + a_1a_2 + a_1a_2a_3 + \dots + a_1a_2 \dots a_n$ .

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