

**P1.** Fie  $n \in \mathbb{N}$ ,  $n \geq 2$ ,  $a_1, a_2, \dots, a_n \in \mathbb{C}$ , iar  $A_k = \sum_{i=1}^k a_i$ ,  $(\forall) k = \overline{1, n}$ . Calculați determinantul matricei  $D = (d_{ij})_{i,j=\overline{1,n}}$ , cu elementele  $d_{ij} = A_{(i,j)}$ ,  $(\forall) i, j = \overline{1, n}$ .