

ПРОТОКОЛ

проведения школьного этапа всероссийской олимпиады школьников

ПО БЕЛОРУСЬ

« 8 » 10 2025 г.

Класс $\mathcal{G}$

Всего приняло участие 3 Максимальное количество баллов 56

[illegible]

Председатель жюри _____ (Присутствующие №№)

Члены жюри _____

1. The first part of the document is a title page. It contains the title "The Role of the State in the Development of the Economy" and the author's name "John Maynard Keynes".

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a constant function, and the value of this constant is determined by the initial condition $f(0) = 1$.

$\mathcal{A}_{\text{max}} = \{A_{\text{max}}^1, A_{\text{max}}^2, \dots, A_{\text{max}}^n\}$ and $\mathcal{A}_{\text{min}} = \{A_{\text{min}}^1, A_{\text{min}}^2, \dots, A_{\text{min}}^n\}$ are the sets of maximum and minimum values of the fuzzy numbers A_i for $i = 1, 2, \dots, n$. The fuzzy number A_i is represented by a fuzzy membership function $\mu_{A_i}(x)$ defined on the interval $[a_i, b_i]$ as follows:

$$\mu_{A_i}(x) = \begin{cases} \frac{x - a_i}{b_i - a_i} & \text{if } x \in [a_i, c_i] \\ \frac{b_i - x}{b_i - c_i} & \text{if } x \in [c_i, b_i] \\ 0 & \text{otherwise} \end{cases}$$
 where a_i and b_i are the minimum and maximum values of A_i , respectively, and c_i is the most likely value of A_i . The fuzzy number A_i is also represented by a fuzzy membership function $\mu_{A_i}(x)$ defined on the interval $[a_i, b_i]$ as follows:

$$\mu_{A_i}(x) = \begin{cases} \frac{x - a_i}{b_i - a_i} & \text{if } x \in [a_i, c_i] \\ \frac{b_i - x}{b_i - c_i} & \text{if } x \in [c_i, b_i] \\ 0 & \text{otherwise} \end{cases}$$
 where a_i and b_i are the minimum and maximum values of A_i , respectively, and c_i is the most likely value of A_i .