

11. 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 that its value is zero. This is done by showing that $f(x)$ satisfies the differential equation $f'(x) = f(x)$ and that $f(0) = 0$. The only solution to this equation is $f(x) = 0$.

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