ANALYSIS OF ALGORITHMS FOR SOLVING
THE OPTIMIZATION PROBLEM WITH MULTI-STAGE
DEVELOPMENT IN 110 kV/MV SUBSTATION

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ABSTRACT  The paper presents a mathematical model for the
development of the distribution transformer station of 110 kV/MV.
Optimization algorithms to solve multi-step task in determining the development
strategy of the 110 kV/MV substation in period T is applied. The elaborated
computer program that employs this method has been presented. Results of
calculations concerning the 110 kV/MV substation that operates in urban
areas have been presented as well.

Keywords: transformer substation, multi-stage optimization, development
analysis