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ON bg^{μ} -CLOSED MAPS AND bg^{μ} -HOMEOMORPHISMS IN SUPRA TOPOLOGICAL SPACES

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Abstract: The aim of this paper, is to introduce a new class of set namely bg^{μ} - closed maps and bg^{μ} - homeomorphisms in supra topological spaces and study some of their properties. Using these new types of maps, several properties have been obtained.

Keywords and Phrases: bg^{μ} - closed map; bg^{μ} - homeomorphism and $^*bg^{\mu}$ - homeomorphism.

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1. Introduction

In 1983, Mashhour et al [7] introduced the concept of supra topological spaces and studied S- continuous maps and S^* - continuous maps. In 2010, Sayed et al [9] introduced and investigated several properties of supra b-open sets and supra b-continuity. In this paper, we introduce the concept of bg^{μ} -closed maps and study its basic properties. Also, we introduce the concept of bg^{μ} -homeomorphisms and investigate several properties for these classes of functions in supra topological