Summary: There is an open question in the Choquet game about existence of NONEMPTY’s winning 1-tactic whenever s/he has a Markov winning strategy in the Choquet game (Galvin). In a more general version, we can ask the question: If NONEMPTY has a k-Markov winning strategy in the Choquet game, does NONEMPTY have a winning k-tactic in that game? In some special topological spaces, we give some affirmative answers to this question. For example, we show that if NONEMPTY has a k-Markov winning strategy in the Choquet game on a topological group or on a space in which all points are P-points, then s/he has a winning k-tactic in this game.

MSC:
- 91A44 Games involving topology, set theory, or logic
- 54H11 Topological groups (topological aspects)

Keywords:
- Choquet game
- Markov strategy
- stationary strategy
- tactic
- topological games
- topological groups

Full Text: Link

References:
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