



# Application of group theory to games and puzzles

By Samuel Hwere Tsok

LAP Lambert Academic Publishing Mai 2014, 2014. Taschenbuch. Book Condition: Neu. 221x149x10 mm. This item is printed on demand - Print on Demand Neuware - Group theory which emanated from abstract algebra. Due to its abstract nature, it seems to be an arts subject rather than a science subject. In fact it was considered pure abstract and not practical. Even students of group theory after being introduced to the course seem not to believe as to whether the subject has any practical application in real life situations because of its abstract nature. This problem prompts the researchers to study the different ways in which groups can be expressed concretely both from theoretical and practical point of view, with intention of bringing its real life application in games and puzzles for better understanding of the subject. Some popular recreational games have a group theoretic foundation which is unknown to many and some cases group helps provide strategies to win these games. Groups are useful in modelling games that involve a series of discrete moves, with each move leading to a change in the board state. This book discusses how different facets of the definition relate with the different ways in which...



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