

A modified Schütte's property and its application to dice games

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A tournament has Schütte's property S_k if every set of k vertices is dominated by some other vertex. Introduced by Erdős in 1963, Schütte's property has found various applications. In particular, such tournaments have found use in the study of non-transitive dice and the unfair games they can be used for. One set of dice created by James Grime motivates a modification of Schütte's property to apply to sets of tournaments. This talk will discuss this modified property and relate it to new sets of non-transitive dice.

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