

## A note on voting games and ideological compatibility

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### ABSTRACT

In ideological voting situations, where voters are positioned on a left-right ideological scale, it is reasonable to believe that a voter's preferences for coalition partners depend on the ideological distances between him and the other voters. With no a priori information about ideological distances, i.e. only knowing the relative ideological positions, there is a number of possible preference orderings, or connected permutations, for each voter. If there is a possibility that a pair of preference orderings for two voters represent the same absolute ideological scale, then the pair is said to be ideologically compatible. The main objective of the paper is to determine the number of ideologically compatible preference orderings for different pairs of voters. Then, assuming that all pairs are equally likely, we find the probability for such occurrences as a function of voters' relative ideological positions.