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Discrete Mathematics

Let Us Count

Difference between Permutations and Combinations

Prof. S.R.S Iyengar

Department of Computer Science

IIT Ropar

Well so till now we have seen what was permutations, what was combinations, their respective formulas, how to denote them, the notations; several properties of combinations and we have solved a lot of problems on both permutations as well as combinations. But what is the subtle thing if to remember here is the difference between permutations and combinations. Let me now state it. When we speak of permutations we always keep in mind the order. Order is very important or it matters when we speak of permutation. Whereas, when we speak of combinations we don't give much importance to order rather order does not matter in combinations. In permutations we speak of arrangements like arrangements of the alphabets and so on whereas in combinations we speak of selection or choosing elements from a given set. So please keep this in mind whenever you are learning permutations and combinations.

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