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ARS COMBINATORIA

HINDI	symbol	Symbol Name	Meaning / definition	Example
	n!	factorial	n! = 1·2·3·...·n	5! = 1·2·3·4·5 = 120
	nPk	permutation	_{n}P_{k}=\frac{n!}{(n-k)!}	5P3 = 5! / (5-3)! = 60
	nCk	combination	_{n}C_{k}=\binom{n}{k}=\frac{n!}{k!(n-k)!}	5C3 = 5!/[3!(5-3)!]=10

- Art of combinations and permutations. We can get 3 combinations with 2 objects. lets suppose we have 2 objects called {A , B } , we can get 3 combinations with repetition of AA , BB and one the real combination AB .
- When we have 3 objects {A,B,C) and you choose only two objects to make those combinations you will get 6 Combinations with repetition {AA,AB/BA,AC/CA,BB,BC/CB,CC } and without repetition you will get only 3 { AB/BA,AC/CA,BC/CB }

ART OF COMBINATIONS WITH RESPECT TO CONFIGURATIONS

- Essence combinations
- Dimensional Combinations
- essence dimensions
- essence organization
  - Homologous configurations
  - Analogous configurations
- Essence patterns
- Energy essence combinations
- Artificial combinations

- DIMENSIONAL COMBINATIONS
- 0D Combinations
- 1D Combinations
- 2D Combinations
- 3D Combinations
- 4D Combinations