Contents

Derivation of permutation of expression of objects not all different

- n objects as total.
- p objects of one kind.
- q objects of one kind.
- r objects of one kind.
- Permutation of 'n' objects as 'x'.
- Permutation of p, q, r objects as p! , q! , r!
- Permutation of n objects as
-
$$n! = x \times p! \times q! \times r!$$
-
$$x = \frac{n!}{p!q!r!}$$
-
$$\text{Total number of Permutation } = \frac{n!}{p!q!r!}$$

Expression of permutation of objects not all different

$$\text{Total number of permutation } = \frac{n!}{p!q!r!}$$