



## Probability Linear or Circular Permutation - Counting Type to Formula

1 Which formula counts the number of arrangements for this type of permutation?

Linear permutation

A	B	C	D
$\frac{n!}{2}$	$(n - 2)!$	$(n - 1)!$	$n!$

2 Which formula counts the number of arrangements for this type of permutation?

Circular permutation

A	B
$(n - 1)!$	$\frac{(n - 1)!}{2}$
C	D
$(n - 2)!$	$n!$