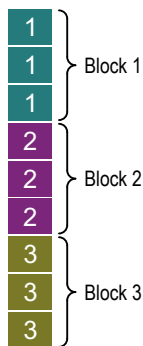


Notation using
a single column

Notation using
multiple columns



Within-block
or
whole-block
(needs a flag)



Within-block
but not
whole-block



Whole-block
but not
within-block

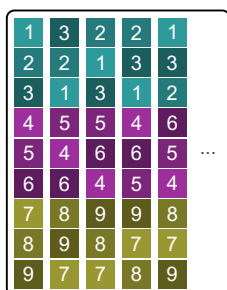


Within-block
and
whole-block

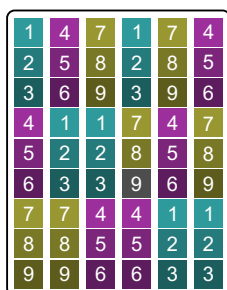


No permutations
are possible

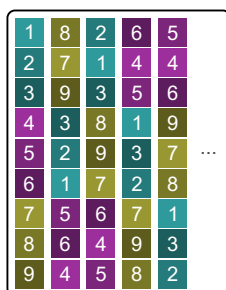
Example
permutations:



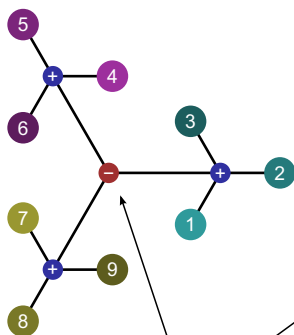
Number of possible
permutations: $(3!)^3 = 216$;
5 examples shown.



Number of possible
permutations: $3! = 6$;
All shown.

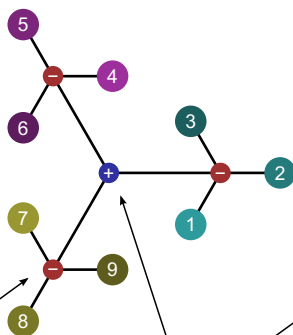


Number of possible
permutations: $(3!)^4 = 1296$;
5 examples shown.



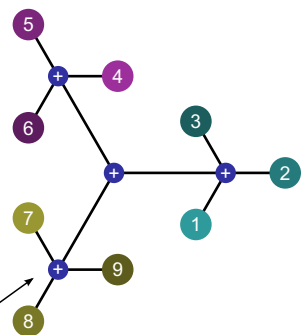
Branches that begin
at red nodes $-$ are
not exchangeable

(a)



Branches that begin
at blue nodes $+$
are exchangeable

(b)



(c)