

Permutation possibilities without repeating a note:



Exhaustive list of combinations:

1-2-3-4	2-1-3-4	3-1-2-4	4-1-2-3
1-2-4-3	2-1-4-3	3-1-4-2	4-1-3-2
1-3-2-4	2-3-1-4	3-2-1-4	4-2-1-3
1-3-4-2	2-3-4-1	3-2-4-1	4-2-3-1
1-4-2-3	2-4-1-3	3-4-1-2	4-3-1-2
1-4-3-2	2-4-3-1	3-4-2-1	4-3-2-1

Source: Music Theory for the Bass Player, A Cap

Pivot Permutations: here: repeating the first note in between all others (bold are above numbers)

1 21314	2 12324	3 13234	4 14243
1 21413	2 12423	3 13432	4 14342
1 31214	2 32124	3 23134	4 24143
1 31412	2 32421	3 23431	4 24341
1 41213	2 42123	3 43132	4 34142
1 41312	2 42321	3 43231	4 34241

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