

Permutation with ruby

```
2.7.0 :001 > [1,2,3].permutation.to_a
=> [[1, 2, 3], [1, 3, 2], [2, 1, 3], [2, 3, 1], [3, 1, 2], [3, 2, 1]]
2.7.0 :002 > [1,2,3].permutation(1).to_a
=> [[1], [2], [3]]
2.7.0 :003 > [1,2,3].permutation(2).to_a
=> [[1, 2], [1, 3], [2, 1], [2, 3], [3, 1], [3, 2]]
2.7.0 :004 > [1,2,3].permutation(3).to_a
=> [[1, 2, 3], [1, 3, 2], [2, 1, 3], [2, 3, 1], [3, 1, 2], [3, 2, 1]]
2.7.0 :005 > [1,2,3].permutation(4).to_a
=> []
2.7.0 :006 >
```