1. Add novel char to list, acknowledge/keep track of how many repeats, calculate factorial with for loop
2. Find length of string
3. Length! Is maximum num of arrange.
4. Set up a switch counter
5. Switch -1, -2 positions w temp var
6. If switch counter is one less than a perfect factorial, then time to level up the switch position location
7. If switch counter is even, then last switch position
8. If switch counter is one less than a multiple of a perfect factorial (counter is always odd in this case), then up the switch position

Secondary switch counter that resets, counts the local counter number.

1. Make a list of the generated permutations, slowly add them to list, discard repetitions
2. Sort list, based on ascii value for human elegance

Yn+1 = x (yn) + (x – 1)

Y = x! - 1