Leonel Garay

CS-225: Discrete Structures in CS

Homework 8, Part 1

### **Exercise Set 9.2: Problem 32**

7! = 7×6×5×4×3×2×1 = 5040 ANS

### **Exercise Set 9.2: Problem 33**

3 = 3 × 2 × 1 = 6 ANS

## **Exercise Set 9.2: Problem 34**

(8-1) = 7! = 7x6x5x4x3x2x1 = 5040

It can be arrangend in 5,040 ways

# **Exercise Set 9.2: Problem 39**

$$\frac{1}{100}$$
  $\frac{1}{100}$   $\frac{1}$ 

AL, GOR 1, T. H. M

## **Exercise Set 9.5: Problem 20**

A: M,1,L,L,1,M,1,C,R,0,N

B. 11 positions

C= 11 positions