# CSCI 281, Assignment 11 – Binomial Coefficients(10 points)

1. (5 points) Directly use the recursive definition to evaluate $\binom{7}{5}$. Do not use Pascal's Triangle. For this problem you can you the following base cases:

$$\binom{n}{n} = 1 \qquad \binom{n}{1} = n \qquad \binom{n}{n-1} = n$$

2. (5 points) Use the "Dynamic Programming" technique and construct a Pascal's Triangle to evaluate $\binom{15}{6}$.