Eric Yang

304263623

Homework 1

Problem 1.

10C3 \* 12C4 = 120 \* 495 = 59,400 different teams

Problem 2.

7\*6\*7! = 211,680 ways

Problem 2.

16C5 = 4,368 unique messages

Problem 3.

15C8 \* 7! \* 6! = 23,351,328,000 ways

Problem 4.

(m+n)Cn = (m+n)! / (m!\*n!) possible paths

Problem 5.

1. =
2. =
3. =

4.

Problem 6.

1. =

2. =

3. =

4.

Problem 7.

x(t) =