

Practice questions for Lecture No. 29- 31

Question 1:

There are 3 buses that travel from city A to city B and 5 buses travel from city B to city C. Find the number of ways a person can have a round trip from city A to city C by way of city B.

Question 2:

A bit string is a sequence of 0's and 1's. How many bit strings are there of length 7?

Question 3:

Find n if $p(n,2)=42$.

Question 4:

There are 10 boys and 15 girls in a class. In how many ways can a quiz team of 5 boys and 5 girls be formed from this class?

Question 5:

A 4-card hand is chosen from a standard 52-card deck. How many of these will have two spades and two hearts?
