CSCI 2824-Spring 2015: In-class exercise #3

Date: Wednesday April 1, 2015

	Last name:	First name:	Student ID:
(1)	How many bit strings of length between 1 and 4 are there? ANS:		
(2)	How many bit strings of length 5 begin with one 1 and end with one 0? ANS:		
(3)	How many bit strings of length 5 either begin with two 1's or end with two 1's? ANS:		
(4)	How many strings of four decimal digits do not contain the same digit four times? ANS:		
(5)	Among the integers between 1 and 100,000, how many integers are multiples of 3 or of 4? ANS:		
(6)	How many strings of four decimal digits contain 0 at least once? ANS:		
(7)	How many distinct arrangements of ANS:	of the letters in AABBA are th	ere?
(8)	How many bit strings of length 8 lands:	nave three 1's, no two of which	are adjacent?
(9)	In how many ways can a photographer at a wedding arrange 4 people in a row, including the bride and groom, so that the bride must be next to the groom? ANS:		
10)		,	one is violet. We have three people possibilities ways are there of choosing
	ANS:		