Exercise 10. Answer Sheet

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Problem 1. (40 points) Consider a 4-queens problem: On a 4x4 chess board put 4 queens in such way that they don't attack each other.

a) (20 points) How many solutions are there? Put your answer here.
1(2) #() is variation
b) (20 points) Draw your solutions using 4x4 table and put Q at the queen positions.

	Q		
			Q
Q			
		Q	

		Q	
Q			
			Q
	Q		

Problem 2. (60 points) Write a program implementing the 8-queens problem. Upload your code. Using your program answer the following questions?

a) (30 points) How many solutions are there? Put your answer here.
12(92) #() is variation
b) (30 points) Draw one of the solutions in the table below.

							Q
			Q				
Q							
		Q					
					Q		
	Q						
						Q	
		Q		Q			