

NPTEL » Randomized Algorithms



Announcements

About the Course

Ask a Question

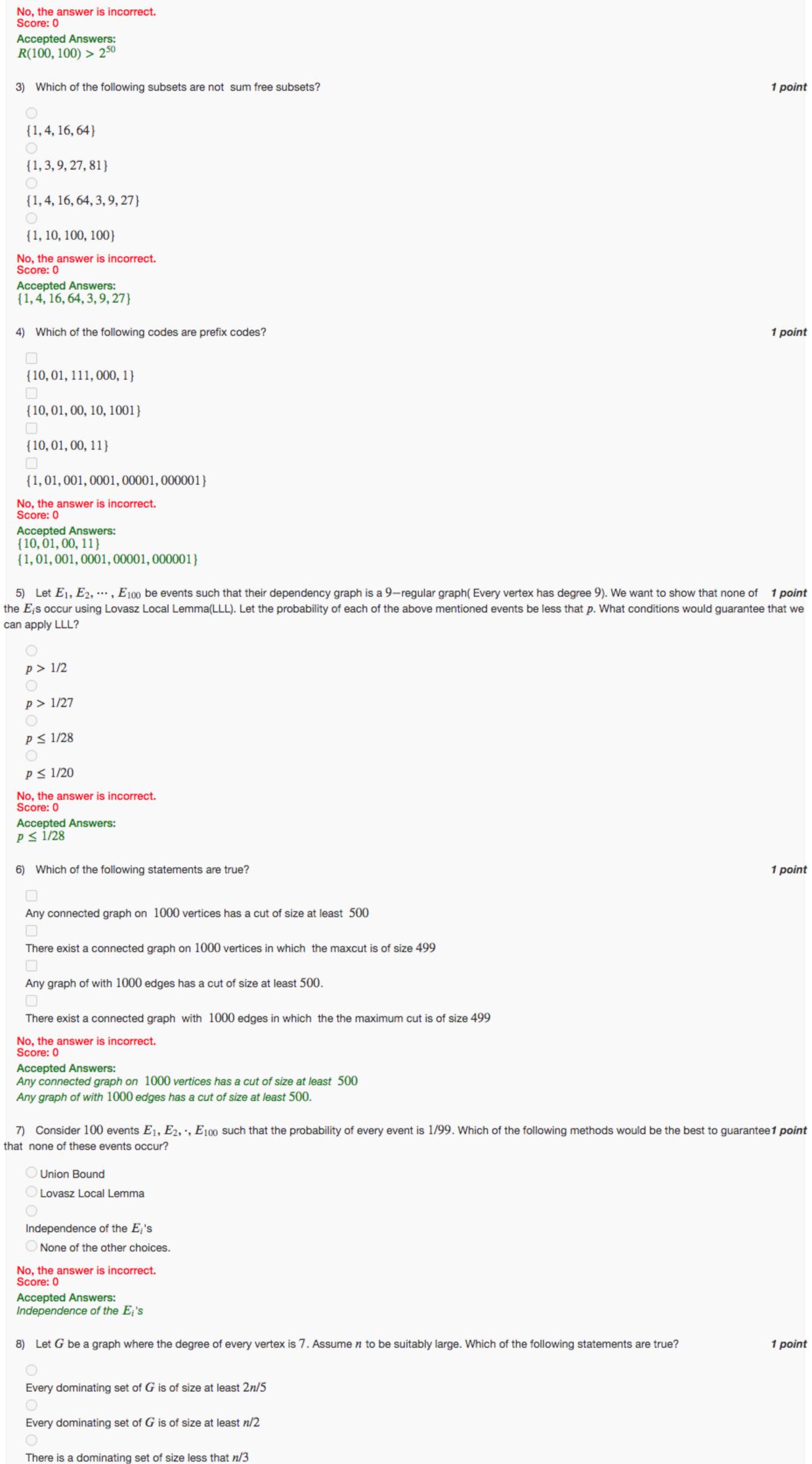
Progress Mentor

1 point

1 point

## Unit 6 - Week4: Probabilistic Method

Course outline	Assignment 4	
How does an NPTEL online course work?	The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	Due on 2020-02-26, 23:59 IST.
Week 0:Prerequisite		4
Veek 1: Introduction to Randomized Algorithms	1) The Ramsey number $R(3,3)$ is equal to	1 poi
Veek 2: Probability Review	○ 5 ○ 7	
leek3: Moments and eviations	No, the answer is incorrect. Score: 0	
Veek4: Probabilistic Method	Accepted Answers: 6	
<ul> <li>Introduction to Probabilistic</li> <li>Method</li> </ul>	2) Which of the following statements are true regarding the diagonal Ramsey numbers $R(k,k)$ ?	1 poi
More Examples on     Probabilistic Method	R(k,k) is infinite for some $k$ .	
Lovasz Local Lemma	$R(100, 100) < 2^{40}$	
Quiz : Assignment 4		
Weekly feedback form for week 4	$R(100, 100) > 2^{50}$	
leek 5: Markov Chains	$R(100, 100) < 2^{50}$ No, the answer is incorrect.	
eek 6 : Markov Chains-II	Score: 0 Accepted Answers:	
eek 7: Number Theoretic	$R(100, 100) > 2^{50}$	4
	Which of the following subsets are not sum free subsets?	1 poi
eek 8: Graph Theoretic gorithms	{1, 4, 16, 64}	
eek 9 : Approximate ounting	(1, 3, 9, 27, 81)	
eek 10 : Randomization and ata Structures	{1, 4, 16, 64, 3, 9, 27} (1, 10, 100, 100}	
/eek 11 : Computational	No, the answer is incorrect. Score: 0	
leek 12 : Summary	Accepted Answers: {1, 4, 16, 64, 3, 9, 27}	
ownload Videos	4) Which of the following codes are prefix codes?	1 poi
	{10, 01, 111, 000, 1} {10, 01, 00, 10, 1001} {10, 01, 00, 11} {1, 01, 001, 0001, 00001, 000001} No, the answer is incorrect. Score: 0 Accepted Answers:	



Every dominating set of G is of size at least 2n/3

There is a dominating set of size less that n/3

No, the answer is incorrect.

Accepted Answers:

Score: 0