

MITx: 6.041x Introduction to Probability - The Science of Uncertainty

Help



▶ <u>Unit 0:</u> Overview

- **▶** Entrance Survey
- **▼** Unit 1: **Probability** models and axioms

Lec. 1: Probability models and axioms

Exercises 1 due Jan 26, 2017 20:59 ART

Mathematical background: Sets; sequences, limits, and series; (un)countable sets.

Solved problems

Problem Set 1

Problem Set 1 due Jan 26, 2017 20:59 ART

▶ <u>Unit 2:</u> Conditioning <u>and</u> independence

Unit 1: Probability models and axioms > Problem Set 1 > Problem 4 Vertical: Parking lot problem

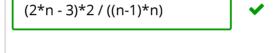
Problem 4 Vertical: Parking lot problem

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Problem 4: Parking lot problem

3/3 points (graded)

Mary and Tom park their cars in an empty parking lot with $n \geq 2$ consecutive parking spaces (i.e, n spaces in a row, where only one car fits in each space). Mary and Tom pick parking spaces at random. (All pairs of parking spaces are equally likely.) What is the probability that there is at most one empty parking space between them? (Express your answer using standard notation.)



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You have used 3 of 3 attempts

Correct (3/3 points)

DISCUSSION

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Discussion

Topic: Unit 1/Problem Set 1 / Parking lot problem

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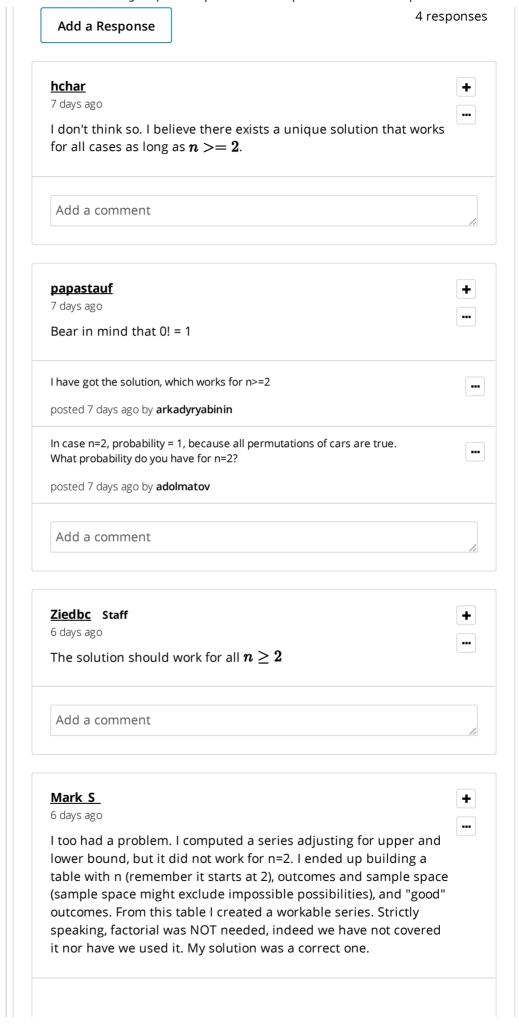
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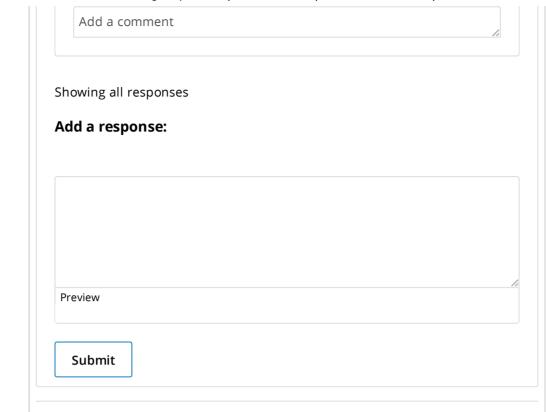
Probability formula that does not work for case n=2

discussion posted 8 days ago by MladenZecevic

I have a formula that seems to work for all the cases but n=2. Did anyone else run into this issue? Any ideas?

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