



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



Bookmarks

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Overview
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Probability
models and
axioms

**Lec. 1: Probability
models and
axioms**

 Exercises 1 due Feb
10, 2016 at 23:59 UTC

**Mathematical
background: Sets;
sequences, limits,
and series;
(un)countable sets.**
Solved problems
Problem Set 1

 Problem Set 1 due Feb
10, 2016 at 23:59 UTC

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


Bookmark

PROBLEM 4: PARKING LOT PROBLEM (3/3 points)

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.)

$$(4*n-6) / (n*(n-1))$$

You have used 1 of 3 submissions
DISCUSSION

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