

Area Estimation Using the Monte Carlo Method

Exercise 8

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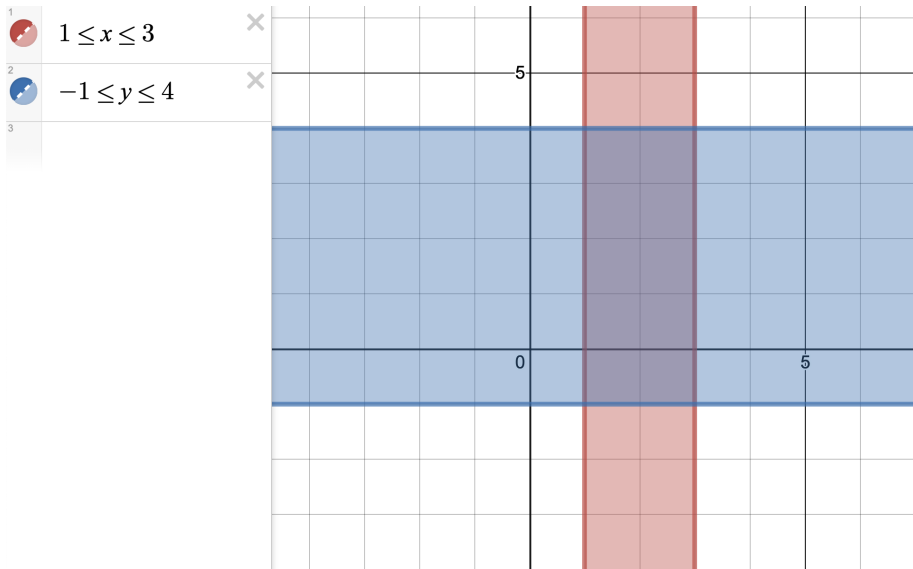
December 13, 2019

The Problem

The exercise asks to use the Monte Carlo method to approximate the area of the figure defined by

$$\begin{cases} 1 \leq x \leq 3 \\ -1 \leq y \leq 4 \\ x^3 + y^3 \leq 29 \\ y \geq e^x - 2 \end{cases}$$

Bounding Box



Full System

