Exercise: Triple Integral Over a Bounded Region

In this lesson, you will perform a triple integration over a bounded region.

WE'LL COVER THE FOLLOWING

- Task
  - Problem Statement

Task

In this exercise, we will solve an integral where the limits of integration will be functions of x and y instead of constants.

Problem Statement

Solve the following integral in Python and find the error in it:

$$\int_0^{1-x-y} \int_0^{1-x} \int_0^{1} = (5x - 3y)\, dxdydz$$

Show Numerical Answer

```
from scipy import *
# write your code here
```

The solution to this exercise will be discussed in the next lesson.