

Mission Sidequest 4.1: Defend Yourself

Start date: 24 August 2016

Due: 30 August 2016, 23:59

Readings:

- Textbook Sections 1.1.1 to 1.1.4

In this side quest, we invite you to understand the curve in greater detail. Completing this quest would signify your understanding of the method, and would gain you the “Impenetrable Mind” achievement.

This side quest consists of only **one** task.

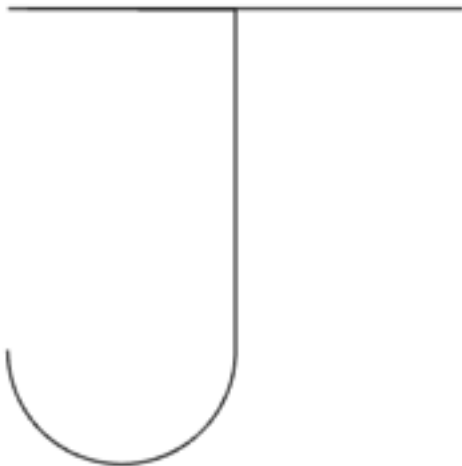
Task 1:

In true spirit of “JFDI”, you are to write the letter “J”, as the Grandmaster has demonstrated. Can you do it?

To be specific, your task is to define the curve J that lies entirely within the rectangular region bounded by the vertices $(0,0)$, $(1,0)$, $(1,1)$, $(0,1)$, which is the region displayed in the viewport. When we run

```
(draw_connected(1000))(J);
```

a figure “J” should be traced out on the Canvas. An example is shown below, drawn using the statement: `(draw_connected(1000))(J);`.



Submission

To submit your work to the Source Academy, place your program in the “Source” tab of the online editor within the mission page, save the program by clicking the “Save” button, and click the “Submit” button. Please ensure the required function from each Task is included in your submission. Note that submission is final and that any mistakes in submission requires extra effort from a tutor or the lecturer himself to fix.

IMPORTANT: Make sure you’ve saved the latest version of your work by clicking the “Save” button before finalizing your submission!