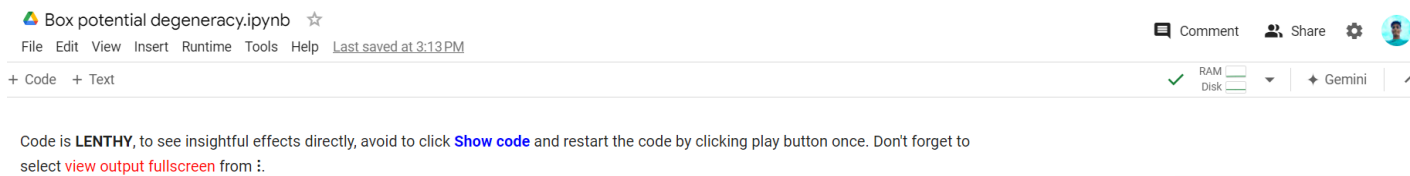


# HOW TO DO

1. Confirm your computer is connected to an internet and then connect to a hosted run time.



Box potential degeneracy.ipynb ☆

File Edit View Insert Runtime Tools Help Last saved at 3:13 PM

+ Code + Text

Comment Share Settings User

RAM Disk Gemini

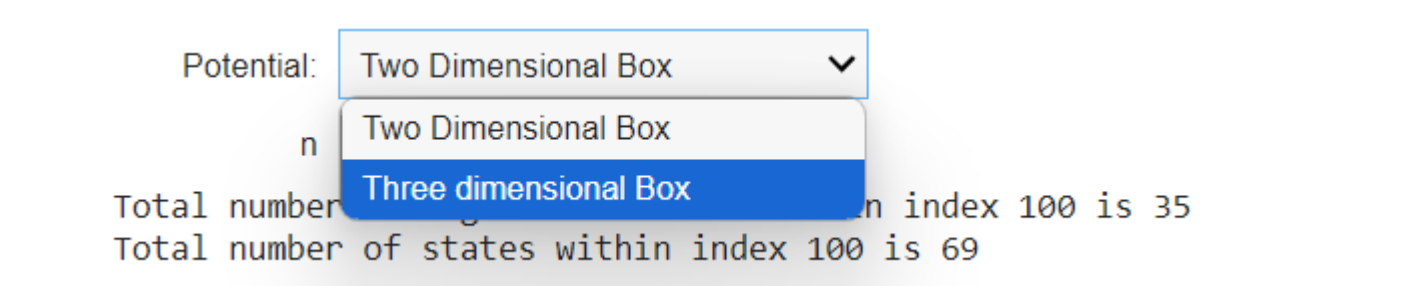
Code is LENTHY, to see insightful effects directly, avoid to click [Show code](#) and restart the code by clicking play button once. Don't forget to select [view output fullscreen](#) from ⚙.

2. Run the cell .



```
# @title
from ipywidgets import interact, Dropdown
import numpy as np
import matplotlib.pyplot as plt
from math import factorial
from collections import Counter
import ipywidgets as widgets
from ipywidgets import interactive
```

3. Select the potential.



Potential: Two Dimensional Box ▼

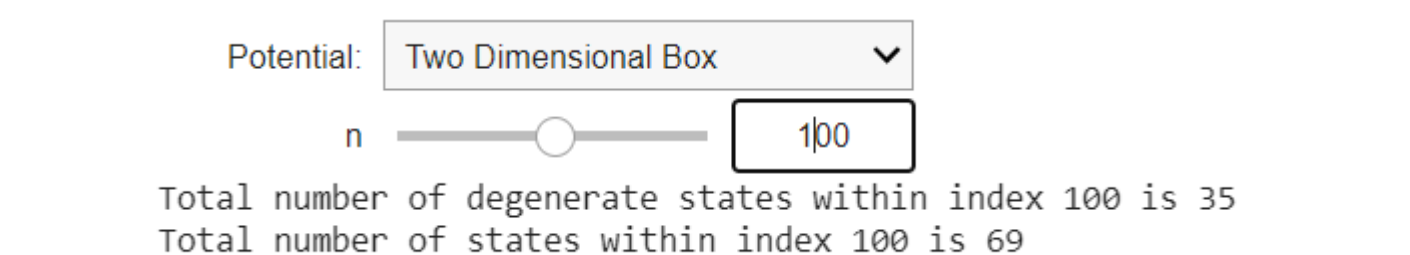
Two Dimensional Box

Three dimensional Box

Total number of degenerate states within index 100 is 35

Total number of states within index 100 is 69

4. Select parameter and see results.



Potential: Two Dimensional Box ▼

n

Total number of degenerate states within index 100 is 35

Total number of states within index 100 is 69