**Mutual Recursion**

**Definition**

Mutual recursion involves two or more functions that call each other in a recursive manner. Each function depends on the other(s) to complete its calculation.

**Example Implementation: Even/Odd Checker**

def is\_even(n):

if n == 0:

return True

return is\_odd(n - 1)

def is\_odd(n):

if n == 0:

return False

return is\_even(n - 1)

**Call Pattern Visualization**

is\_even(4)

├── is\_odd(3)

│ ├── is\_even(2)

│ │ ├── is\_odd(1)

│ │ │ └── is\_even(0)

│ │ │ └── True

│ │ └── False

│ └── True

└── True