**Fibo(n) using recursive function only**

fibo(5)

**51**

|

------------------------------------

**21**

**31**

| |

fibo(4) fibo(3)

| |

------------------ -------------------

**1**

**2**

**1**

**1**

| | | |

fibo(3) fibo(2) fibo(2) fibo(1)

| | |

------------- -------------- ---------------

**0**

**1**

**1**

**1**

**0**

**1**

| | | | | |

fibo(2) fibo(1) fibo(1) fibo(0) fibo(1) fibo(0)

|

--------------

**0**

**1**

| |

fibo(1) fibo(0)