capture the history of method invocation stack. Between acts as "after" for Branch1 and "before" for Branch2 before br1:3 before br1:2 before br1:1 between br1 and br2:1 after br2:1 between br1 and br2:2 before br1:1 between br1 and br2:1 after br2:1 after br2:2 between br1 and br2:3 before br1:2 before br1:1 between br1 and br2:1 after br2:1 between br1 and br2:2 before br1:1 between br1 and br2:1 private static void eulerTourOfRecursion(int num) { if(num ==0) return; after br2:1 after br2:2 System.out.println("before br1:"+num); after br2:3 //this invocation represents branch1 in recursion tree - eulerTourOfRecursion(num -1); System.out.println("between br1 and br2:"+num); //this invocation represents branch1 in recursion tree eulerTourOfRecursion(num -1);

System.out.println("after br2:"+ num);

With the help of Euler Tour we are able to