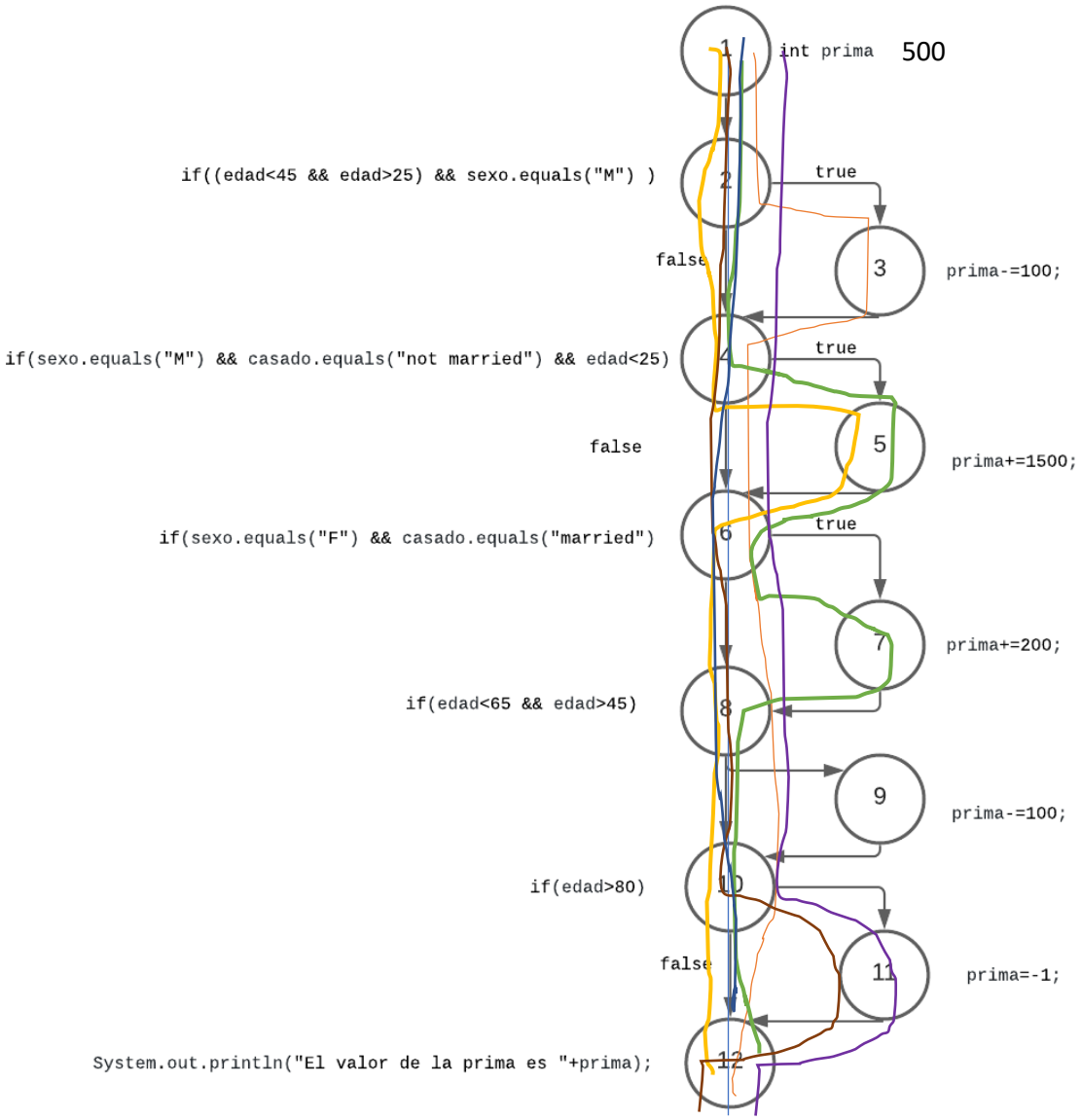
Test Plan

DD-PATH with the new requirements

A,B,C,D,E,F,G,H

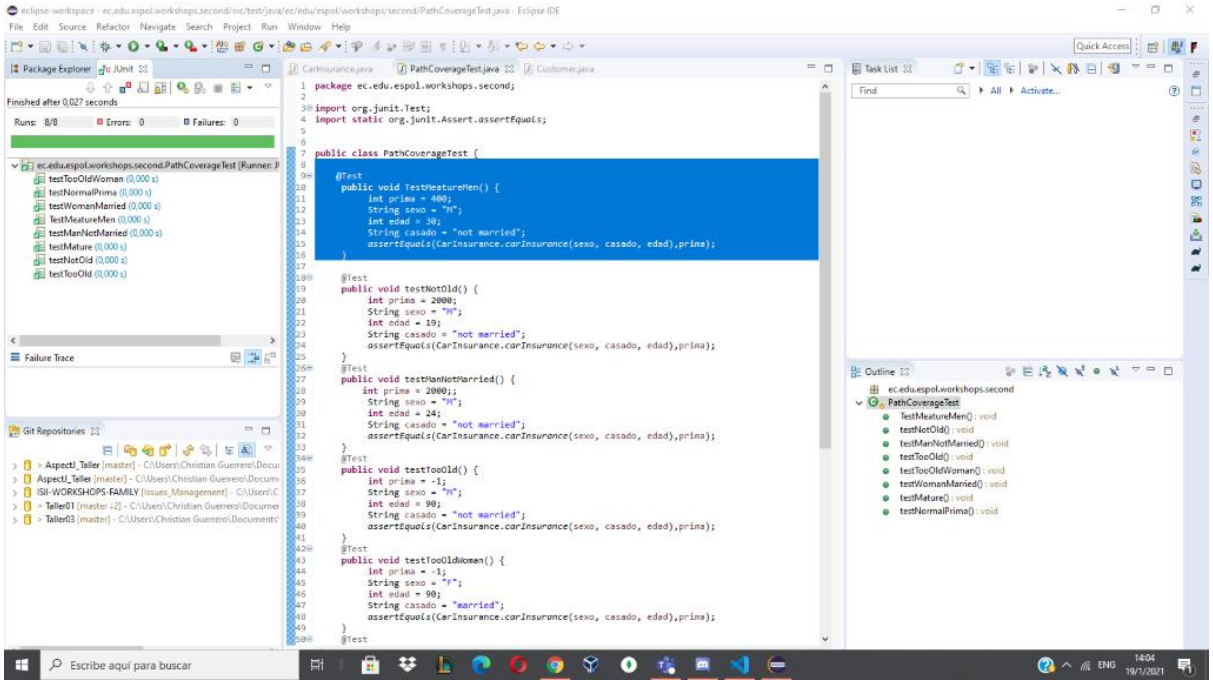


Test Case

Test Case ID	Branches covered	Inputs	Expected Outputs	Actual Outputs	Pass/Fail
A	1,2,3,4,6,8,10,12	Age = 26 Sex = "M" Status = "Not married"	Prima =400		
B	1.2.3.4.6,8,10	Age = 20 Sex = "M" Status = "Not married"	Prima = 2000		
C	1,2,4,5,6,8,10	Age = 20 Sex = "F" Status ="Married"	Prima = 300		
D	1,2,4,5,6,7,8,10	Age = 50 Sex = "F" Status ="Married"	Prima = 300		
E	1,2,4,6,7,8,10	Age = 50 Sex = "M" Status ="Married"	Prima =400		
F	1,2,4,6,8,9,10	Age = 90 Sex = "M" Status ="Not Married"	Prima=-1		
G	1,2,4,5,6,8,9,10	Age = 90 Sex = "F" Status ="Married"	Prima=-1		
H	1,2,4,6,8,10	Age = 40 Sex = "M" Status ="Married"	Prima = 500		

Pass Test Case

Test Case ID	Branches covered	Inputs	Expected Outputs	Actual Outputs	Pass/Fail
A	1,2,3,45,6,8,10,12	Age = 26 Sex = "M" Status = "Not married"	Prima =400	Prima =400	Pass
B	1.2.3.4.6,8,10	Age = 20 Sex = "M" Status = "Not married"	Prima = 2000	Prima = 2000	Pass
C	1,2,4,5,6,8,10	Age = 20 Sex = "F" Status ="Married"	Prima = 300	Prima = 300	Pass
D	1,2,4,5,6,7,8,10	Age = 50 Sex = "F" Status ="Married"	Prima = 300	Prima = 300	Pass
E	1,2,4,6,7,8,10	Age = 50 Sex = "M" Status ="Married"	Prima =400	Prima = 400	Pass
F	1,2,4,6,8,9,10	Age = 90 Sex = "M" Status ="Not Married"	Prima=-1	Prima=-1	Pass
G	1,2,4,5,6,8,9,10	Age = 90 Sex = "F" Status ="Married"	Prima=-1	Prima=-1	Pass
H	1,2,4,6,8,10	Age = 40 Sex = "M" Status ="Married"	Prima = 500	Prima = 500	Pass




```java
package ec.edu.espol.workshops.second;

import org.junit.Test;
import static org.junit.Assert.assertEquals;


public class PathCoverageTest {

    @Test
     public void TestMeatureMen() {
          int prima = 400;
          String sexo = "M";
          int edad = 30;
          String casado = "not married";
          assertEquals(CarInsurance.carInsurance(sexo, casado, edad),prima);
     }

    @Test
    public void testNotOld() {
          int prima = 2000;
          String sexo = "M";
          int edad = 19;
          String casado = "not married";
          assertEquals(CarInsurance.carInsurance(sexo, casado, edad),prima);
    }
    @Test
    public void testManNotMarried() {
        int prima = 2000;;
          String sexo = "M";
          int edad = 24;
          String casado = "not married";
          assertEquals(CarInsurance.carInsurance(sexo, casado, edad),prima);
    }
    @Test
    public void testTooOld() {
          int prima = -1;
          String sexo = "M";
          int edad = 90;
          String casado = "not married";
          assertEquals(CarInsurance.carInsurance(sexo, casado, edad),prima);

    }
    @Test
    public void testTooOldWoman() {
          int prima = -1;
          String sexo = "F";
          int edad = 90;
          String casado = "married";
          assertEquals(CarInsurance.carInsurance(sexo, casado, edad),prima);
    }
    @Test
```