Universidad del Valle de Guatemala

Campus Central

Departamento de Computación

Algoritmos y Estructuras de datos

Tema:

# Hoja de Trabajo 7

Estudiantes: Joel Jaquez.

Carrera: Ingeniería en Ciencias de la Computación y Tecnologías de la info.

Número de Carné: 23369

Enlace al repositorio de Github:

https://github.com/jaq23369/HDT7

Pruebas JUnit:

```java
Click here to ask Blackbox to help you code faster
package uvg.edu.gt;

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

public class AssociationTest {

    @Test
    public void testGetKey() {
        Association<String, String> association = new Association<>(key:"house", value:"casa");
        assertEquals("The key should be 'house'.", "house", association.getKey());
    }

    @Test
    public void testGetValue() {
        Association<String, String> association = new Association<>(key:"dog", value:"perro");
        assertEquals("The value should be 'perro'.", "perro", association.getValue());
    }
}
```

```java
Click here to ask Blackbox to help you code faster
package uvg.edu.gt;

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

public class BinaryTreeTest {
    private BinaryTree<Association<String, String>> tree;

    @Before
    public void setUp() {
        // Asegúrate de inicializar el árbol con un valor no nulo.
        tree = new BinaryTree<>(new Association<>(key:"house", value:"casa"));
    }

    @Test
    public void testInsertAndFind() {
        Association<String, String> toInsert = new Association<>(key:"dog", value:"perro");
        tree.insert(toInsert);
        assertEquals(toInsert, tree.find(toInsert));
    }

    @Test
    public void testFindNonExistent() {
        Association<String, String> toFind = new Association<>(key:"cat", value:null);
        assertNull(tree.find(toFind));
    }
}
```