```
package test. java;
import static org.junit.Assert.*;
import org.junit.Before;
import org.junit.Rule;
import org.junit.Test;
import org.junit.rules.Timeout;
import org.junit.runner.RunWith;
import org.junit.runners.JUnit4;
import main.java.Article;
import main.java.Shop;
@RunWith(JUnit4.class)
public class SearchDichoEtuRecTest {
        private Article articleValid;
        private Article articleValid2;
        private Article articleValid3;
        private Shop shop;
        public Timeout globalTimeout = Timeout.seconds(5);
        @Before
        public void setUp() throws Exception {
                articleValid = new Article("Article1", 50, 1);
                articleValid2 = new Article("Article2", 51, 2);
                articleValid3 = new Article("Article3", 52, 3);
                shop = new Shop(10);
                shop.insertArticle(articleValid);
                shop.insertArticle(articleValid2);
                shop.insertArticle(articleValid3);
        }
        @Test
        public void searchDichoEtuRecElementInTableTest() {
                Article articleToFind = new Article("Article3", 52, 3);
                assertTrue(shop.searchDichoEtuRec(articleToFind, 0, shop.getNbArticle()));
                assertTrue(articleValid3.isEqual(articleToFind));
        }
        @Test
        public void searchDichoEtuRecElementNotInTableTest() {
                Article articleToFindFalse = new Article("ToFindFalse", 51.5, 5);
                assertFalse(shop.searchDichoEtuRec(articleToFindFalse, 0, shop.getNbArticle
()));
                for(int i = 0; i < shop.getNbArticle(); i++) {</pre>
                        assertFalse(shop.getStock()[0].isEqual(articleToFindFalse));
                }
        }
        @Test
        public void searchDichoEtuRecElementWrongName() {
                Article articleToFindWrongName = new Article("WrongName", 52, 3);
                assertFalse(shop.searchDichoEtuRec(articleToFindWrongName, 0, shop.getNbArt
icle()));
                assertFalse(articleValid3.isEqual(articleToFindWrongName));
        }
        @Test
        public void searchDichoEtuRecElementWrongNumber() {
                Article articleToFindWrongNumber = new Article("Article3", 52, 5);
                assertFalse(shop.searchDichoEtuRec(articleToFindWrongNumber, 0, shop.getNbA
rticle()));
                assertFalse(articleValid3.isEqual(articleToFindWrongNumber));
```

assertTrue(shop.searchDichoEtuRec(articleExpensive, 0, shop.getNbArticle())

shop.insertArticle(articleExpensive);

) ;