```java
import java.util.List;

public class Main {
    public static void main(String[] args) {
        List<Integer> n = List.of(0,1,2,3,4,5,6,7,8,9);

        System.out.println("Comparaciones realizadas = " + busqueda(n, b: 9));
    }

    private static int busqueda(List a, int b){  1 usage
        boolean found = false;
        int count = 0;
        while (found == false && count < a.size()){
            if(b == (int)a.get(count)){
                found = true;
            }
            count++;
        }
        return count;
    }
}
```

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```

Main ×

"C:\Users\HP PROBOOK 650 G3\.jdks\openjdk-23.0.2\bin\java.exe" "-javaagent:C:\Users\HP PROBOOK 650 G3\Documents\JetBr
Comparaciones realizadas = 10

```java
List<Integer> n = List.of(0,1,2,3,4,5,6,7,8,9); T(n)=n

boolean found = false;T(n)= 1
int count = 0; T(n)= 1
while (found == false && count < a.size()){ T(n)=n
    if(b == (int)a.get(count)){
        found = true; T(n)=1
    }
    count++; T(n)= 1
}
return count;

T(n)= n+1+1+n+1+1 = 2n+4

List<Integer> n = List.of(0,1,2,3,4,5,6,7,8,9); S(n)=n

boolean found = false;S(n)= 1
int count = 0; S(n)= 1
while (found == false && count < a.size()){
    if(b == (int)a.get(count)){
        found = true;
    }
    count++; T(n)= 1
}
return count;

S(n)= n+1+1 = n+2
```