

```

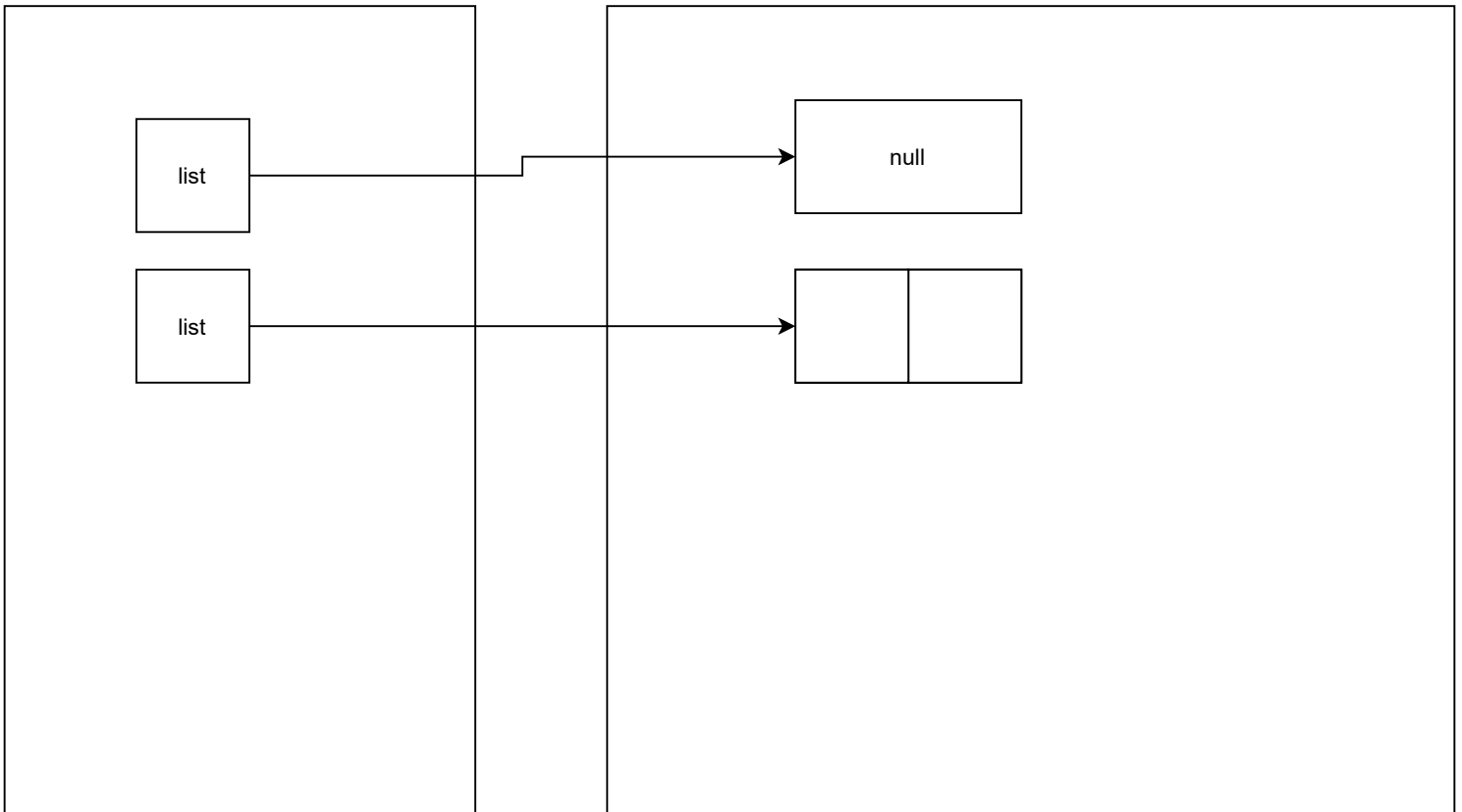
> public class Test {
    List<Integer> list;

    public Test() {
        this.list = new ArrayList<>();
        someVoid(list);
    }

    @ private void someVoid(List<Integer> list) {
        list.add(0);
        list.add(1);
        list = null;
    }

    > public static void main(String[] args) {
        Test test = new Test();
        System.out.println("Size is: " + test.list.size());
    }
}

```



Getter, Setter, toString, equals, hashCode → boilerplate code

# Binary Search

$n = 1,000,000$

linear search -> 48    $\longrightarrow$     $O(n) = n$     $\longrightarrow$     $10^6$

binary search -> 6    $\longrightarrow$     $O(n) = \log_2(n)$     $\longrightarrow$    20