

[5 MARKS]

We have provided you with a file called **Q1_answers.txt**. Add your answers to that file and hand it in on MarkUs.

Part (a) [2 MARKS]

Suppose you are calling a method and the class it is in has a representation invariant. Does that representation invariant impact your work? Answer YES or NO. If yes, explain how, and if no, explain why not

Part (b) [3 MARKS]

Complete the following hypothesis test so that it checks one aspect of `list.count`.

```
@given(lists(integers()), integers())
def test_count(lst: List, v: int):
    """Test that . . .
    """
    # TODO: Complete the docstring description and implement this function.
```