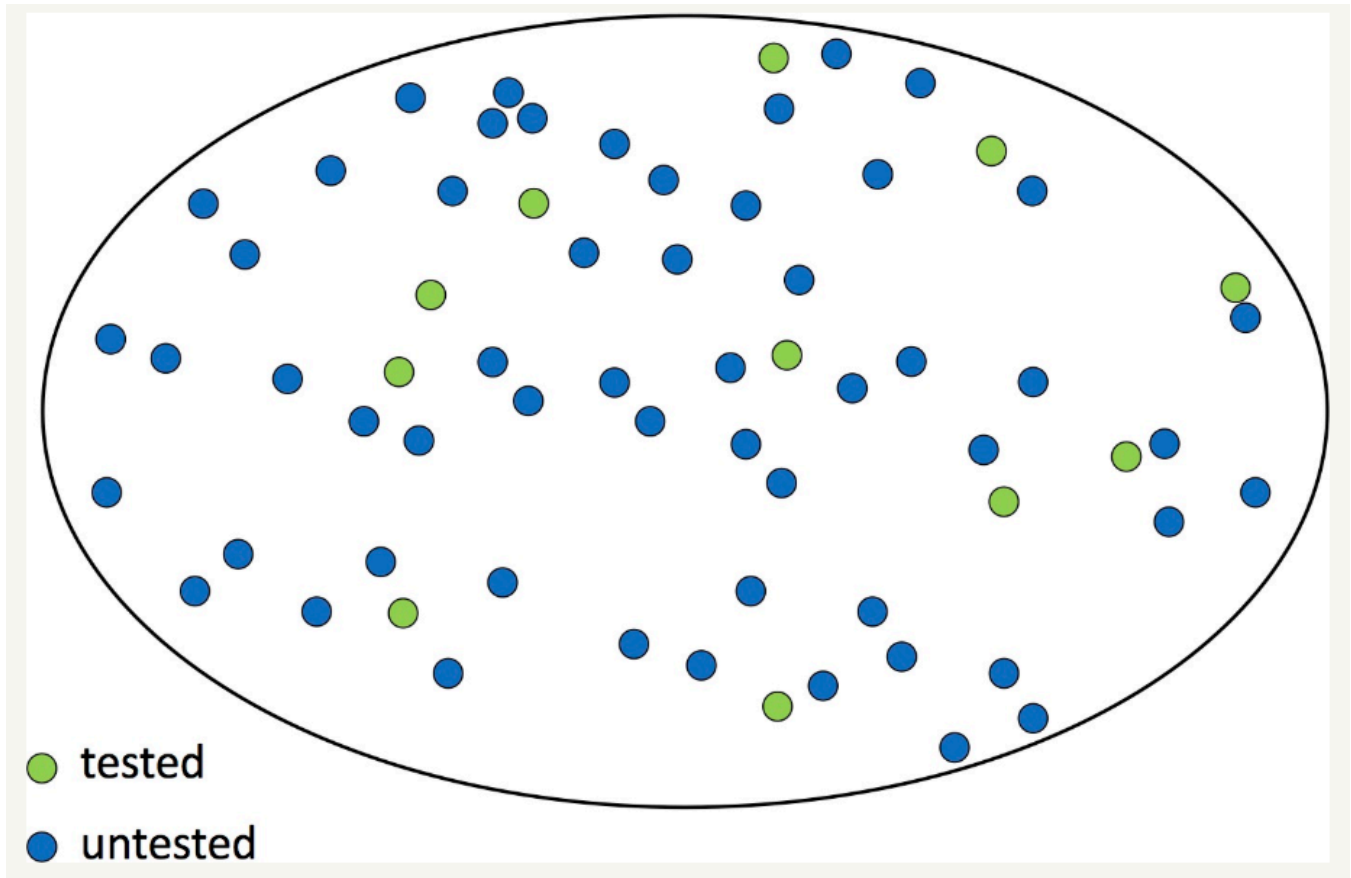
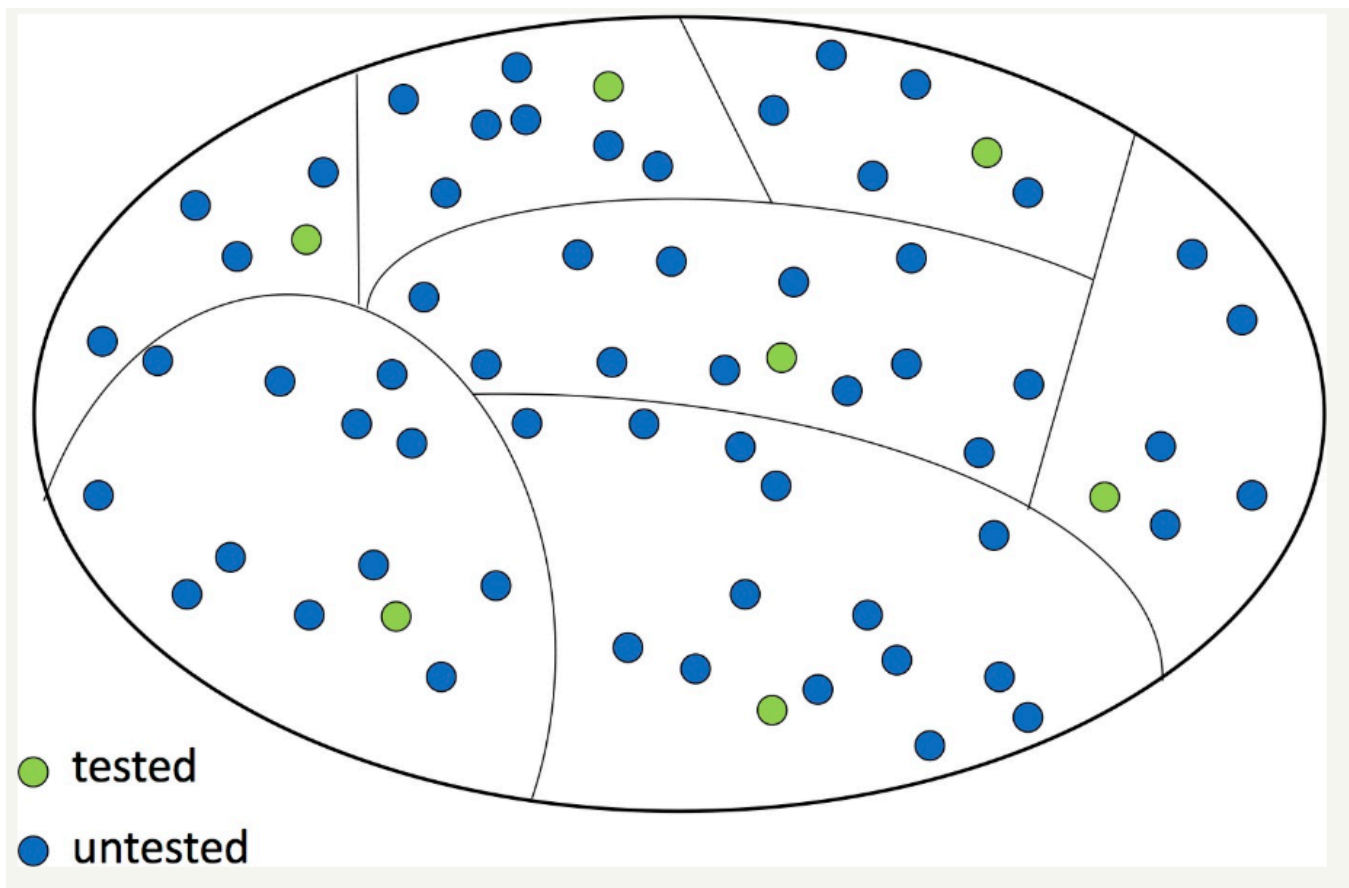


1.6 Choosing Test Cases

- **Fundamental Problem:** Many possible cases?



- Solution: Have cases that break the **other cases into groups**.



RELEVANT PROPERTIES:

- the size of an object (could be a list, string, etc.): 0, 1, larger, even, odd
- the position of a value in an ordered sequence (such as a list or string): beginning, ending, elsewhere
- the relative position of two values in an ordered sequence: adjacent, separated
- the presence of duplicates: yes, no
- ordering: unsorted, non-decreasing, non-increasing
- the value of an integer: 0, 1, "small", "large", negative, positive, even, odd
- the value of a string: alphanumeric characters only, special characters like punctuation marks
- the location of whitespace in a string: beginning, ending, elsewhere, multiple occurrences, multiple adjacent whitespace characters, different types of whitespace characters
- and more! Depending on the parameters of a function, there could be many other properties.