

## Unit Testing Test Coverages

Should cover all  
branches (edges)  
and ensure the  
valid and invalid  
data types for Key  
and memoized  
values are tested.

Statement  
Coverage

Branch  
Coverage

Data  
Coverage

Path  
Coverage

1: Cover all statements  
at least once

2: Make sure valid and  
invalid data types are  
tested

3: Make sure each  
edges are tested

4: Boolean expression  
are not needed to be  
tested to ensure full  
functionality

5: Complete possible  
path should not be the  
scope and criteria for  
testing.

Combining **Branch** and **Data** coverage ensure the coverage which is  
taken into consideration.

Statement coverage is covered by Branch coverage and Path coverage  
contradict with criteria **5** thus concluding from decision.

