

ABSTRACT

Pairwise testing is a black box testing technique based on input parameters. Pairwise testing, also known as All-pairs testing, applies combinatorial testing in building test cases. That is combined of each input parameter to form a data set in the test case. To get test cases with this method, there is a test case generator that applies the pairwise testing method. However, these generators have shortcomings in the functions that can be selected. After analyzing the test case generator, it was found that the generator does not have a filter function to create a data set. The filter function serves to provide certain constraints on the input data before the generator converts the input data into a set of test cases. This study aims to modify a test case generator by adding a filter function. The testcase generated by the generator after using the filter function has been able to follow the limits or filtering given to the input data.

Keywords: Filter, Combination, Pairwise testing, Testing