

ESOF 523: Assignment 3

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1 Metamorphic Relations

We developed 3 broad metamorphic relations for testing the `networkx` implementation of depth first search (DFS), breadth first search (BFS), and Prim's and Kruskal's minimum spanning tree algorithms (MST):

2 Mutation Analysis

Interestingly, we found an issue in the implementation of `textttmutpy`'s constant replacement operator, which caused us to exclude this from our analysis.

3 Recommendations