Results


```
========================== Node ========================
{
   "in_both_tree": {
      "in_tree_c": 150,
      "not_in_tree_c": 15,
      "not_in_tree_c_with_conn": 11,
      "not_in_tree_c_without_conn": 4
   },
   "in_one_tree": {
      "not_in_tree_c": 57,
      "not_in_tree_c_with_conn": 40,
      "not_in_tree_c_without_conn": 17,
      "in_tree_c": 92
   },
   "in_no_tree": {
      "not_in_tree_c": 161,
      "not_in_tree_c_with_conn": 101,
      "not_in_tree_c_without_conn": 60,
      "in_tree_c": 1
   }
}
global total in c: 243
global mutated in c: 16 - 0.066
global upgraded in c: 5 - 0.021
global downgraded in c: 4 - 0.016
{
   "layer 2": {
      "in_both_tree": {
         "in_tree_c": 49,
         "not_in_tree_c": 5,
         "not_in_tree_c_with_conn": 5
      },
      "in_one_tree": {
         "in_tree_c": 8,
         "not_in_tree_c": 5,
         "not_in_tree_c_with_conn": 5
      },
      "in_no_tree": {
         "not_in_tree_c": 1,
         "not_in_tree_c_with_conn": 1
      }
```

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},
"layer 3": {
    "in_both_tree": {
        "in_tree_c": 63,
        "not_in_tree_c": 6,
        "not_in_tree_c_with_conn": 3,
        "not_in_tree_c_without_conn": 3
    },
    "in_one_tree": {
        "not_in_tree_c": 10,
        "not_in_tree_c_with_conn": 4,
        "in_tree_c": 17,
        "not_in_tree_c_without_conn": 6
    },
    "in_no_tree": {
        "not_in_tree_c": 5,
        "not_in_tree_c_with_conn": 3,
        "not_in_tree_c_without_conn": 2,
        "in_tree_c": 1
    }
},
"layer 4": {
    "in_both_tree": {
        "in_tree_c": 36,
        "not_in_tree_c": 4,
        "not_in_tree_c_with_conn": 3,
        "not_in_tree_c_without_conn": 1
    },
    "in_one_tree": {
        "not_in_tree_c": 25,
        "not_in_tree_c_with_conn": 20,
        "not_in_tree_c_without_conn": 5,
        "in_tree_c": 44
    },
    "in_no_tree": {
        "not_in_tree_c": 27,
        "not_in_tree_c_without_conn": 13,
        "not_in_tree_c_with_conn": 14
    }
},
"layer 5": {
    "in_no_tree": {
        "not_in_tree_c": 128,
        "not_in_tree_c_with_conn": 83,
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            "not_in_tree_c_without_conn": 45
        },
        "in_one_tree": {
            "in_tree_c": 23,
            "not_in_tree_c": 17,
            "not_in_tree_c_without_conn": 6,
            "not_in_tree_c_with_conn": 11
        },
        "in_both_tree": {
            "in_tree_c": 2
        }
    }
}
========================== Conn ========================
{
    "in_both_tree": {
        "in_tree_c": 135,
        "not_in_tree_c": 31,
        "not_in_tree_c_with_both_ends": 13,
        "not_in_tree_c_without_both_ends": 18
    },
    "in_one_tree": {
        "in_tree_c": 107,
        "not_in_tree_c": 100,
        "not_in_tree_c_without_both_ends": 79,
        "not_in_tree_c_with_both_ends": 21
    },
    "in_no_tree": {
        "not_in_tree_c": 283,
        "not_in_tree_c_without_both_ends": 273,
        "in_tree_c": 24,
        "not_in_tree_c_with_both_ends": 10
    }
}
```

When have two connectables:
Prob with one link: 0.662
Prob with two links: 0.338

Analysis

- Global:

    - In both trees:
        - In tree_c: 150/165 = 91%
        - In tree_c with conn = 150/161 = 93%
    - In one tree:
        - In tree_c: 92/149 = 62%
        - In tree_c with conn: 92/132 = 70%
    - In no tree:
        - In tree_c: 0
    - Mutated: 16/243 = 6.6%
    - Upgraded: 5/243 = 2.1%
    - Downgraded: 4/243 = 1.6%
    - Allocated in tree_c: 18/26 = 70%
- Layer 2:
    - In both trees:
        - In tree_c: 49/54 = 91%
        - In tree_c with conn: 49/54 = 91%
    - In one tree:
        - In tree_c: 8/13 = 62%
        - In tree_c with conn: 8/13 = 62%
- Layer 3:
    - In both trees:
        - In tree_c: 63/69 = 91%
        - In tree_c with conn:63/66 = 95%
    - In one tree:
        - In tree_c: 17/27 = 63%
        - In tree_c with conn: 17/21 = 81%
- Layer 4:
    - In both trees:
        - In tree_c: 36/40 = 90%
        - In tree_c with conn: 36/39 = 92%
    - In one tree:
        - In tree_c: 44/69 = 64%
        - In tree_c with conn: 44/64 = 69%
- Layer 5:
    - In both trees:
        - No data
    - In one tree:
        - In tree_c: 23/40 = 58%
        - In tree_c with conn: 23/34 = 68%
- Conn:
    - When have two connectables:
        - Prob with one link: 0.662
        - Prob with two links: 0.338