|  |  |  |
| --- | --- | --- |
| Nodes & Edges (i) | Def (i) | Use (i) |
| 0 | {} | {} |
| 1 | {} | {} |
| (1,2), (1,3) | {} | {} |
| 2 | {data, empty} | {elem} |
| 3 | {} | {elem} |
| (3,4), (3,5) | {} | {elem} |
| 4 | {} | {} |
| 5 | {} | {data, elem} |
| (5,6), (5,7) | {} | {data, elem} |
| 6 | {tmp, data, elem} | {data, elem, tmp} |
| (6,7) | {} | {} |
| 7 | {} | {} |
| (7,8), (7,9) | {} | {} |
| 8 | {} | {elem} |
| 9 | {position} | {elem, position} |
| (9,10), (9,11) | {} | {position} |
| 10 | {previousValue, children[0].data} | {children[0].data, elem, previousValue} |
| 11 | {} | {nChildren, capacity, children[position]} |
| (11,12), (11,15) | {} | {nChildren, capacity, children[position]} |
| 12 | {} | {elem, children[position-1]} |
| (12,13), (12,14) | {} | {elem, children[position-1]}} |
| 13 | {} | {elem, position} |
| 14 | {} | {children[position-1], elem} |
| 15 | {} | {nChildren, capacity, elem, children[position]} |
| (15,16), (15,17) | {} | {nChildren, capacity, elem, children[position]} |
| 17 | {} | {position, capacity, elem, children[position]} |
| (17,16), (17,18) | {} | {nChildren, capacity, elem, children[position]} |
| 18 | {} | {position, capacity} |
| (18,19), (18,20) | {} | {position, capacity} |
| 19 | {} | {children[position-1], elem} |
| 20 | {} | {children[position], elem} |

2. Edge-Pair Coverage

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| Edge-Pair |
| [0,1,2],[0,1,3],[1,3,4],[1,3,5],[3,5,6],[3,5,7],[5,6,7],[5,7,8,],[5,7,9],[6,7,8],[6,7,9],[7,9,10],[7,9,11],[9,11,12],[9,11,15],[11,12,13],[11,12,14],[11,15,16],[11,15,17],[15,17,16],[15,17,18],[17,18,19],[17,18,20] |