Input space partition

Each choice coverage

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 2 | 2 | 2 |
| 1 | 1 | 1 |
| 0 | 0 | 0 |
| -1 | -1 | -1 |

Pair-wise coverage

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 2 | 2 | 2 |
| 1 | 2 | 1 |
| 0 | 2 | 0 |
| -1 | 2 | -1 |
| 2 | 1 | 1 |
| 1 | 1 | 0 |
| 0 | 1 | -1 |
| -1 | 1 | 2 |
| 2 | 0 | 0 |
| 1 | 0 | -1 |
| 0 | 0 | 2 |
| -1 | 0 | 1 |
| 2 | -1 | -1 |
| 1 | -1 | 2 |
| 0 | -1 | 1 |
| -1 | -1 | 0 |

Graph coverage

Node coverage

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 0 | 1 | 2 |
| 3 | 3 | 3 |
| 1 | 2 | 3 |
| 2 | 3 | 4 |
| 2 | 2 | 3 |
| 2 | 2 | 5 |
| 3 | 2 | 2 |
| 5 | 2 | 2 |
| 2 | 3 | 2 |
| 2 | 5 | 2 |

Edge coverage

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 0 | 1 | 2 |
| 3 | 3 | 3 |
| 1 | 2 | 3 |
| 2 | 3 | 4 |
| 2 | 2 | 3 |
| 2 | 2 | 5 |
| 3 | 2 | 2 |
| 5 | 2 | 2 |
| 2 | 3 | 2 |
| 2 | 5 | 2 |

Prime path coverage

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 0 | 1 | 2 |
| 3 | 3 | 3 |
| 1 | 2 | 3 |
| 2 | 3 | 4 |
| 2 | 2 | 3 |
| 2 | 2 | 5 |
| 3 | 2 | 2 |
| 5 | 2 | 2 |
| 2 | 3 | 2 |
| 2 | 5 | 2 |

All-use path for triOut

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 2 | 2 | 3 |
| 2 | 3 | 2 |
| 3 | 2 | 2 |

For logic expression (a<b)^(c<=d\*d)

Predicate coverage

|  |  |  |  |
| --- | --- | --- | --- |
| a | b | c | d |
| 1 | 2 | 5 | 2 |
| 1 | 2 | 2 | 2 |

Clause coverage

|  |  |  |  |
| --- | --- | --- | --- |
| a | b | c | d |
| 1 | 2 | 5 | 2 |
| 1 | 2 | 2 | 2 |
| 2 | 1 | 5 | 2 |
| 2 | 1 | 2 | 2 |

Correlated Clause Coverage

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| a | b | a<b | c | d | c>=d\*d | P |
| 1 | 2 | T | 5 | 2 | T | T |
| 1 | 2 | T | 2 | 2 | F | F |

For TritypMutantOne

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a | b | c | origin | M1 |
| 3 | 3 | 7 | 4 | 2 |
| 3 | 3 | 4 | 2 | 2 |

For TritypMutantTwo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a | b | c | origin | M1 |
| 3 | 3 | 6 | 4 | 2 |
| 3 | 3 | 4 | 2 | 2 |