Order of tests is [ON (one the border), ON, OFF]

**Predicate P1**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “ ” | “boy” | Yes |
| “girl” | “girl” | “boy” | Yes |
| “boy” | “boy” | “boy” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “ ” | “girl” | Yes |
| “girl” | “girl” | “girl” | No |
| “boy” | “boy” | “girl” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “ ” | “girl” | Yes |
| “girl” | “girl” | “boy” | Yes |
| “boy” | “boy” | “boy” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “boy” | “ ” | Yes |
| “boy” | “boy” | “boy” | No |
| “girl” | “girl” | “girl” | No |

**Predicate P2**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “ ” | “girl” | Yes |
| “boy” | “boy” | “girl” | Yes |
| “girl” | “girl” | “girl” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “ ” | “boy” | No |
| “boy” | “boy” | “boy” | No |
| “girl” | “girl” | “boy” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “ ” | “girl” | Yes |
| “boy” | “boy” | “boy” | No |
| “girl” | “girl” | “girl” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Input | Expected Input | Fault Detected |
| “ ” | “girl” | “ ” | Yes |
| “girl” | “girl” | “girl” | No |
| “boy” | “boy” | “boy” | No |

**Predicate P3**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “ ” | “rhyming” | Yes |
| 6.0001 | “ ” | “rhyming” | Yes |
| 5.9999 | “rhyming” | “rhyming” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “ ” | “ ” | No |
| 6.0001 | “ ” | “ ” | No |
| 5.9999 | “rhyming” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “ ” | “ ” | No |
| 6.0001 | “ ” | “rhyming” | Yes |
| 5.9999 | “rhyming” | “rhyming” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “rhyming” | “ ” | Yes |
| 5.9999 | “rhyming” | “rhyming” | No |
| 6.0001 | “ ” | “ ” | No |

**Predicate P4a**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “ ” | “drawing” | Yes |
| 6.9999 | “ ” | “drawing” | Yes |
| 7.0001 | “drawing” | “drawing” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “ ” | “ ” | No |
| 6.9999 | “ ” | “ ” | No |
| 7.0001 | “drawing” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “ ” | “drawing” | Yes |
| 6.9999 | “ ” | “ ” | No |
| 7.0001 | “drawing” | “drawing” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “drawing” | “ ” | Yes |
| 7.0001 | “drawing” | “drawing” | No |
| 6.9999 | “ ” | “ ” | No |

**Predicate P4b**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “drawing” | Yes |
| 10.0001 | “essay writing” | “drawing” | Yes |
| 9.9999 | “drawing” | “drawing” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “essay writing” | Yes |
| 10.0001 | “essay writing” | “essay writing” | No |
| 9.9999 | “drawing” | “essay writing” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “essay writing” | Yes |
| 10.0001 | “essay writing” | “drawing” | Yes |
| 9.9999 | “drawing” | “drawing” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “drawing” | “ ” | Yes |
| 9.9999 | “drawing” | “drawing” | No |
| 10.0001 | “essay writing” | “essay writing” | No |

**Predicate P5a**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “essay writing” | Yes |
| 9.9999 | “drawing” | “essay writing” | Yes |
| 10.0001 | “essay writing” | “essay writing” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “drawing” | Yes |
| 9.9999 | “drawing” | “drawing” | No |
| 10.0001 | “essay writing” | “drawing” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “essay writing” | Yes |
| 9.9999 | “drawing” | “drawing” | No |
| 10.0001 | “essay writing” | “essay writing” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “essay writing” | “ ” | Yes |
| 10.0001 | “essay writing” | “essay writing” | No |
| 9.9999 | “drawing” | “drawing” | No |

**Predicate P5b**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “ ” | “essay writing” | Yes |
| 15.0001 | “ ” | “essay writing” | Yes |
| 14.9999 | “essay writing” | “essay writing” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “ ” | “ ” | No |
| 15.0001 | “ ” | “ ” | No |
| 14.9999 | “essay writing” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “ ” | “ ” | No |
| 15.0001 | “ ” | “essay writing” | Yes |
| 14.9999 | “essay writing” | “essay writing” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “essay writing” | “ ” | Yes |
| 14.9999 | “essay writing” | “essay writing” | No |
| 15.0001 | “ ” | “ ” | No |

**Predicate P6**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “ ” | “poetry” | Yes |
| 19.9999 | “ ” | “poetry” | Yes |
| 20.0001 | “poetry” | “poetry” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “ ” | “ ” | No |
| 19.9999 | “ ” | “ ” | No |
| 20.0001 | “poetry” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “ ” | “poetry” | Yes |
| 19.9999 | “ ” | “ ” | No |
| 20.0001 | “poetry” | “poetry” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “poetry” | “ ” | Yes |
| 20.0001 | “poetry” | “poetry” | No |
| 19.9999 | “ ” | “ ” | No |

**Predicate P7**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “ ” | “rhyming” | Yes |
| 6.0001 | “ ” | “rhyming” | Yes |
| 5.9999 | “rhyming” | “rhyming” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “ ” | “ ” | No |
| 6.0001 | “ ” | “ ” | No |
| 5.9999 | “rhyming” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “ ” | “ ” | No |
| 6.0001 | “ ” | “rhyming” | Yes |
| 5.9999 | “rhyming” | “rhyming” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 6 | “rhyming” | “ ” | Yes |
| 5.9999 | “rhyming” | “rhyming” | No |
| 6.0001 | “ ” | “ ” | No |

**Predicate P8a**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “ ” | “storytelling” | Yes |
| 6.9999 | “ ” | “storytelling” | Yes |
| 7.0001 | “storytelling” | “storytelling” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “ ” | “ ” | No |
| 6.9999 | “ ” | “ ” | No |
| 7.0001 | “storytelling” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “ ” | “storytelling” | Yes |
| 6.9999 | “ ” | “ ” | No |
| 7.0001 | “storytelling” | “storytelling” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 7 | “storytelling” | “ ” | Yes |
| 7.0001 | “storytelling” | “storytelling” | No |
| 6.9999 | “ ” | “ ” | No |

**Predicate P8b**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “storytelling” | Yes |
| 10.0001 | “ ” | “storytelling” | Yes |
| 9.9999 | “storytelling” | “storytelling” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “ ” | No |
| 10.0001 | “ ” | “ ” | No |
| 9.9999 | “storytelling” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “ ” | “ ” | No |
| 10.0001 | “ ” | “storytelling” | Yes |
| 9.9999 | “storytelling” | “storytelling” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 10 | “storytelling” | “ ” | Yes |
| 9.9999 | “storytelling” | “storytelling” | No |
| 10.0001 | “ ” | “ ” | No |

**Predicate P9a**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 11 | “ ” | “quiz” | Yes |
| 10.9999 | “ ” | “quiz” | Yes |
| 11.0001 | “quiz” | “quiz” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 11 | “ ” | “ ” | No |
| 10.9999 | “ ” | “ ” | No |
| 11.0001 | “quiz” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 11 | “ ” | “quiz” | Yes |
| 10.9999 | “ ” | “ ” | No |
| 11.0001 | “quiz” | “quiz” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 11 | “quiz” | “ ” | Yes |
| 11.0001 | “quiz” | “quiz” | No |
| 10.9999 | “ ” | “ ” | No |

**Predicate P9b**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “ ” | “quiz” | Yes |
| 15.0001 | “ ” | “quiz” | Yes |
| 14.9999 | “quiz” | “quiz” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “ ” | “ ” | No |
| 15.0001 | “ ” | “ ” | No |
| 14.9999 | “quiz” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “ ” | “ ” | No |
| 15.0001 | “ ” | “quiz” | Yes |
| 14.9999 | “quiz” | “quiz” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 15 | “quiz” | “ ” | Yes |
| 14.9999 | “quiz” | “quiz” | No |
| 15.0001 | “ ” | “ ” | No |

**Predicate P10**

Boundary Shift (Reduced domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “ ” | “poetry” | Yes |
| 19.9999 | “ ” | “poetry” | Yes |
| 20.0001 | “poetry” | “poetry” | No |

Boundary Shift (Increased domain)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “ ” | “ ” | No |
| 19.9999 | “ ” | “ ” | No |
| 20.0001 | “poetry” | “ ” | Yes |

Tilted Error (Tilted left)

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “ ” | “poetry” | Yes |
| 19.9999 | “ ” | “ ” | No |
| 20.0001 | “poetry” | “poetry” | No |

Closure Error

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Actual Output | Expected Output | Fault Detected |
| 20 | “poetry” | “ ” | Yes |
| 20.0001 | “poetry” | “poetry” | No |
| 19.9999 | “ ” | “ ” | No |