Testbenching Report for small_circle

Table of Contents

2

Testbench Summary

Component	Total Tests	Passed	Failed
small_circle_	2	2	0

Testbench for small_circle with parameter(s)

Total tests: 2

Passed tests: 2

Failed tests: 0

Test Case	Input Gi	Output Ci (Actual)	Expected Ci	Status
0	1 (bin) / 1 (dec)	1 (bin) / 1 (dec)	1 (dec)	Passed
1	0 (bin) / 0 (dec)	0 (bin) / 0 (dec)	0 (dec)	Passed

Rule: SmallCircleRule

Input Variables: Gi

Output Variables: Ci

Bit Width: 4

Pattern: StringMatchPattern

```
def matches(self, filename):
    #print(self.pattern, filename)
    return self.pattern == filename
```

Generate expected values function:

```python
def generate_expected(self, test_case):
    width = self.bit_width
    Ci = [(test_case["Gi"] >> i) & 1 for i in range(width)]

    Ci_int = sum(Ci[i] << i for i in range(width))

    return {
        "Ci": Ci_int
    }
```