# Test Cases

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| Case number | Input | Expected Output | Actual Output |
| Test 1 | 4.0 3 2.5 2 8.0 0  4.5 4 5.7 2 8.6 0  5.0 4 5.0 0 | Is sorted by strong comparison: true  Is sorted by weak comparison: false | As expected |
| Test 2 | 4.0 3 2.5 2 8.0 0  5.0 4 5.0 0  4.5 4 5.7 2 8.6 0 | Is sorted by strong comparison: false  Is sorted by weak comparison: true | As expected |
| Test 3 | 5.0 4 5.0 0  4.5 4 5.7 2 8.6 0  4.0 3 2.5 2 8.0 0 | Is sorted by strong comparison: false  Is sorted by weak comparison: false | As expected |
| Test 4 | 5.0 x 5.0 0  4.5 4 5.7 2 8.6 0  4.0 3 2.5 8.0 0 | InvalidPolynomialSyntax | As expected |
| Test 5 | 5.0 4 5.0 5  4.5 4 5.7 2 8.6 0  4.0 3 2.5 2 8.0 0 | InvalidPolynomialSyntax | As expected |
| Test 6 | 4.0 3 2.5 2 8.0 1  4.5 4 5.7 0  5.0 4 5.0 2 | Is sorted by strong comparison: true  Is sorted by weak comparison: true | As expected |
| Test 7 | 5 5 4 4 3  5 5 4 4 3 0 | InvalidPolynomialSyntax | As expected |
| Test 8 | 0 0 0 0 0 0  0 0 0 0 0 0  0 0 0 0 0 0  0 0 0 0 0 0 | InvalidPolynomialSyntax | As expected |
| Test 9 | 5 5 0 4 0 3 0 2 1 1  5 5 4 4 3 3 2 2 1 1 | Is sorted by strong comparison: true  Is sorted by weak comparison: true | As expected |
| Test 10 | Improper filename | File not found error. | As expected |