Mutation

```
# Unary functions have a higher precedence than binary operators
-     unary_precedence = max(precedence.values()) + 1
+     unary_precedence = max(precedence.values()) - 1
```

Mutant survived. Adding tests:

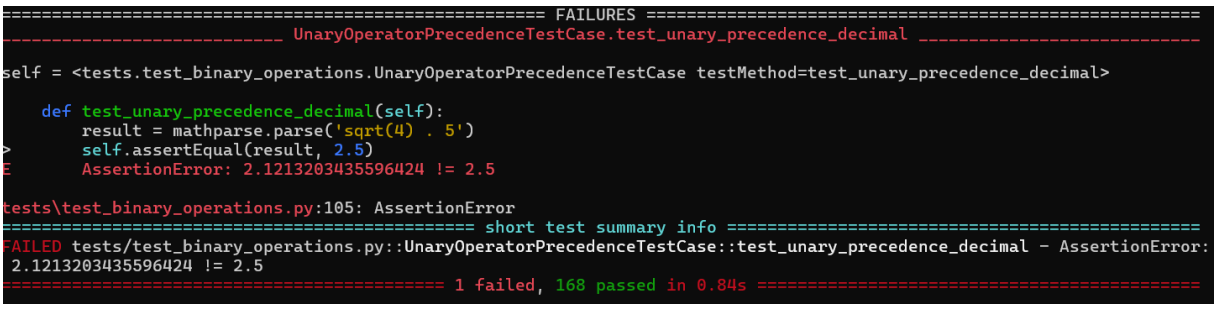
```
class UnaryOperatorPrecedenceTestCase(TestCase):


    def test_unary_precedence_multiplication(self):
        result = mathparse.parse('sqrt(4) * 2')
        self.assertEqual(result, 4.0)


    def test_unary_precedence_division(self):
        result = mathparse.parse('sqrt(4) / 2')
        self.assertEqual(result, 1.0)


    def test_unary_precedence_decimal(self):
        result = mathparse.parse('sqrt(4) . 5')
        self.assertEqual(result, 2.5)
```

Test failed:



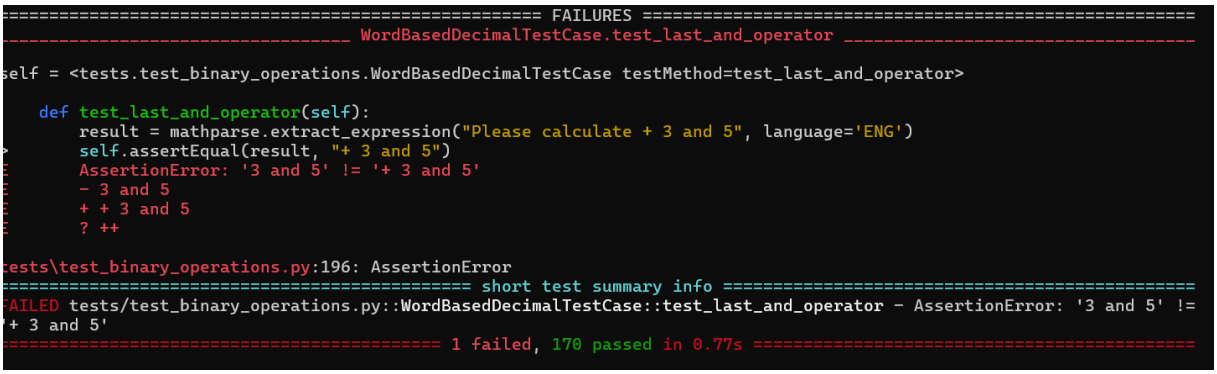
Mutation:

```
if all_prev_non_math and i + 1 < len(tokens):
-                       next_token = tokens[i + 1]
+                       next_token = tokens[i * 1]
                        if (
                            is_int(next_token) or is_float(next_token)
or
                            is_constant(next_token) or
is_unary(next_token) or
```

Mutant survived. Adding test:

```
def test_last_and_operator(self):
        result = mathparse.extract_expression("Please calculate + 3
and 5", language='ENG')
        self.assertEqual(result, "+ 3 and 5")
```

Mutant killed:



Mutant:

```
if all_prev_non_math and i + 1 < len(tokens):
-                       next_token = tokens[i + 1]
+                       next_token = tokens[i / 1]
                        if (
                            is_int(next_token) or is_float(next_token)
or
                            is_constant(next_token) or
is_unary(next_token) or
```

Mutant survived. Mutant was killed with previously added test.