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import unittest
import libfat

class testLibFat(unittest.TestCase):

    # testar fatorial de 0 e 1
    def test_fatorial_0(self):
        self.assertEqual(1, libfat.fatorial(0));

    def test_fatorial_1(self):
        self.assertEqual(1, libfat.fatorial(1));

    def test_fatorial_maior_que_1(self):
        self.assertEqual(2, libfat.fatorial(2));
        self.assertEqual(6, libfat.fatorial(3));
        self.assertEqual(24, libfat.fatorial(4));
        self.assertEqual(120, libfat.fatorial(5));
        self.assertEqual(720, libfat.fatorial(6));

    def test_fatorial_negativos(self):
        with self.assertRaises(ValueError):
            libfat.fatorial(-1)

if __name__ == "__main__":
    unittest.main()
```