

```
1 C:\Users\rosal\AppData\Local\Programs\Python\
  Python312\python.exe C:\Users\rosal\PycharmProjects\
  MATH6397\nllsqmat_deriv_check.py
2 -----
3 executing derivative check
4 -----
5 h          t1          t2          t3
6 -----
7 1.000000e+00 0.000000e+00 1.635152e-05 4.567474e+01
8 7.742637e-02 0.000000e+00 1.266039e-06 2.738140e-01
9 5.994843e-03 0.000000e+00 9.802478e-08 1.641562e-03
10 4.641589e-04 0.000000e+00 7.589705e-09 9.847911e-06
11 3.593814e-05 0.000000e+00 5.876402e-10 5.957882e-08
12 2.782559e-06 0.000000e+00 4.549605e-11 3.991403e-10
13 2.154435e-07 0.000000e+00 3.524292e-12 5.641709e-12
14 1.668101e-08 0.000000e+00 2.700062e-13 2.842171e-13
15 1.291550e-09 0.000000e+00 2.131628e-14 2.131628e-14
16 1.000000e-10 0.000000e+00 0.000000e+00 0.000000e+00
17 -----
18
19 Process finished with exit code 0
20
```