

```
1 C:\Users\rosal\AppData\Local\Programs\Python\
  Python312\python.exe C:\Users\rosal\PycharmProjects\
  MATH6397\nlr1sq_deriv_check.py
2 -----
3 executing derivative check
4 -----
5 h          t1          t2          t3
6 -----
7 1.000000e+00 1.043271e+01 1.403531e+01 1.926188e+02
8 7.742637e-02 1.993216e+00 9.874591e-02 1.337605e+00
9 5.994843e-03 1.473967e-01 7.148025e-04 8.141567e-03
10 4.641589e-04 1.136139e-02 4.338102e-06 4.886038e-05
11 3.593814e-05 8.793611e-04 2.603067e-08 2.929347e-07
12 2.782559e-06 6.808388e-05 1.560601e-10 1.756108e-09
13 2.154435e-07 5.271476e-06 9.361401e-13 1.052847e-11
14 1.668101e-08 4.081512e-07 7.105427e-15 6.394885e-14
15 1.291550e-09 3.160167e-08 0.000000e+00 0.000000e+00
16 1.000000e-10 2.446802e-09 0.000000e+00 0.000000e+00
17 -----
18
19 Process finished with exit code 0
20
```