

# Untitled-1

December 11, 2025

Connected to Python 3.12.1

```
vs      === vs      ===  
1. ...  
2. ...  
3. BFGS ...  
4. ...  
5. ...  
===== :  
0 -7.533000e-01 100 100 0.0069 6.788000e-01 1.000000e+00 1 -7.875000e-01 12 12 0.0000  
7.500000e-01 1.000000e+00 2 BFGS -1.307988e+26 1 1 NaN -2.914055e+26 3.185168e+26 3  
-8.491000e-01 1 1 NaN 6.448000e-01 1.000000e+00 4 -8.491000e-01 30 30 0.0000 6.454000e-01  
1.000000e+00  
  
0 5.771000e-01 7.380000e-01 4.000000e-01 1 1.000000e+00 1.000000e+00 0.000000e+00 2  
7.327073e+24 -5.138614e+13 -1.491466e+27 3 5.792000e-01 1.000000e+00 0.000000e+00 4  
5.814000e-01 1.000000e+00 0.000000e+00  
: : ['BFGS', ' ', ' ', ' ', ' ', ' '] : [' ', 'BFGS', ' ', ' ', ' '] : [' ', ' ', ' ',  
'BFGS', ' '] : [' ', ' ', ' ', ' ', 'BFGS']  
: : -12.72% 2  
:  
X  
5
```