```
Python 3.9.12 (main, Apr  4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 8.2.0 -- An enhanced Interactive Python.
```

In [1]:   *'C:/Users/hskay/OneDrive/Documents/Master/Semester I/Artificial Intelligence for Engineering Applications/Projects/myproject/pro_4_tsp/pro_4_tsp_1.py'*   =*'C:/Users/hskay/OneDrive/Documents/Master/Semester I/Artificial Intelligence for Engineering Applications/Projects/myproject/pro_4_tsp'*

```
gen nevals
0   10
1   9
2   7
3   8
4   10
5   8
6   9
7   10
8   10
9   5
10  10


BEST PATH:

Grenada
Dominica
Saint Martin
Saint Kitts and Nevis
Saint Vincent
Haiti
Cayman Islands
Jamaica
Puerto Rico
British Virgin Islands
Barbados
Trinidad
Grenada

BEST PATH COST:

Grenada  223
Dominica 217
Saint Martin 54
Saint Kitts and Nevis 475
Saint Vincent 495
Haiti 588
Cayman Islands 268
Jamaica 703
Puerto Rico 135
British Virgin Islands 493
Barbados 224
Grenada  474
TOTAL COST:  4349
```

In [2]: