

Python 3.7.4 (default, Aug 9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)]  
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IPython 7.8.0 -- An enhanced Interactive Python.

```
In [1]: runfile('D:/_First_Semester_of_Senior_Year/Numerical_Analysis(1)/homeworks/hw1/hw1_Q2.py',  
wdir='D:/_First_Semester_of_Senior_Year/Numerical_Analysis(1)/homeworks/hw1')
```

```
-----double summation-----
```

```
sum = 2001000.0
```

```
time spent: 2.5825095176696777
```

```
-----recursive summation-----
```

```
sum = 2001000.0
```

```
time spent: 2.290132761001587
```

```
In [2]:
```