```
C:\Users\azamat\Anaconda3\python.exe "C:/Users/azamat/Google Drive/Paper2017_Djamshid/simulation/.idea/rating_sim.py"
ATC: [array([ 14.40378196]), array([ 9.10714706]), array([ 5.1933364]), array([ 10.96800102]), array([ 9.28351718])]
rating: []
DataFram of WTC
                    0                   1                   2                   3  \
0  [0.636229419065]  [0.592011039286]  [0.760101277111]  [0.447329340824]
1  [0.321129920233]  [0.491573390681]  [0.735507524753]  [0.595509283873]
2  [0.850052276561]  [0.461089259143]  [0.914675288704]  [0.203205708819]
3  [0.659363384157]  [0.493413450179]   [1.09534314121]   [0.24035312767]
4   [0.65217469329]  [0.430656416164]   [1.81644087556]  [0.336591710196]
5  [0.458225834381]  [0.300552874782]  [0.380675975315]  [0.451023031775]
6  [0.382035450357]  [0.549051803476]  [0.281345210435]  [0.272462885346]
7  [0.256191671164]  [0.429694674227]  [0.302194936373]  [0.348465615411]
8  [0.573264933679]  [0.370098159149]  [0.284400594588]  [0.730240132917]
9  [0.589268225987]  [0.396922815742]  [0.987373293461]  [0.469392646049]

                    4
0  [0.497769799463]
1  [0.506509989528]
2  [0.493257249152]
3  [0.471095893533]
4    [0.3605895992]
5   [1.38764443039]
6   [1.42170367363]
7  [0.405921391964]
8  [0.742718776859]
9  [0.384334853196]
DataFrame of Ratings
       0     1     2     3     4
0   4.77  2.51  1.03  2.62  2.03
```

```
31 1    6.85    4.45    2.78    5.63    4.18
32 2   13.02    6.30    5.05    6.71    6.37
33 3   17.26    8.46    7.63    7.69    7.37
34 4   21.83   10.09   11.74    9.08    8.65
35 5   24.90   11.27   12.34   11.15   13.29
36 6   27.11   13.65   12.88   12.48   19.43
37 7   28.66   15.11   13.14   13.64   21.22
38 8   31.97   16.64   13.59   17.25   23.67
39 9   35.47   17.54   15.85   19.57   25.23
40 DataFrame of Materials
41      0  1  2  3   4
42 0    9  5  3  4   4
43 1    4  4  3  6   4
44 2   12  4  4  2   4
45 3    9  4  5  2   4
46 4    9  3  9  3   3
47 5    6  2  1  4  12
48 6    5  5  1  2  13
49 7    3  3  1  3   3
50 8    8  3  1  8   6
51 9    8  3  5  5   3
```