```
RANDOM GRAPH VS PROTEIN GRAPH WITH SAME DEGREE DISTRIBUTION
PDB USED = 2FBP.PDB


nodes = 335
average degree = 7.94029850746
avg clustering coeff  = 0.560507320209
edges = 1330
average shortest path = 6.23439091965



degree dist for protein graph =

DEGREE            DEGREE DISTR


2         0.0089552238806
3         0.0149253731343
4         0.0686567164179
5         0.089552238806
6         0.10447761194
7         0.116417910448
8         0.194029850746
9         0.116417910448
10        0.116417910448
11        0.110447761194
12        0.044776119403
13        0.0119402985075
14        0.00298507462687
15        0.0
clustering coeff dist for protein graph =

DEGREE            CLUSTERING COEFF DISTR


2         1.0
3         0.5
4         0.58064516129
5         0.339344262295
6         0.226388888889
7         0.168959435626
8         0.178392857143
9         0.0833333333333
10        0.0644284572342
11        0.0509668109668
12        0.0182736455464
13        0.00464455703977
14        0.00114810562572
15        0.0




degree dist for random graph =

DEGREE            DEGREE DISTR


2         0.0089552238806
3         0.0149253731343
4         0.0686567164179
```

```
5           0.089552238806
6           0.10447761194
7           0.116417910448
8           0.194029850746
9           0.116417910448
10          0.116417910448
11          0.110447761194
12          0.044776119403
13          0.0119402985075
14          0.00298507462687
15          0.0
clustering coeff dist for random graph =

DEGREE              CLUSTERING COEFF DISTR


2           0.0
3           0.125
4           0.134408602151
5           0.103278688525
6           0.0881944444444
7           0.0627865961199
8           0.0764285714286
9           0.0356810785681
10          0.0321342925659
11          0.0254256854257
12          0.0103305785124
13          0.00249500998004
14          0.000656060357553
15          0.0
```