L= JN(N-1) Zdij where dij is the path length from itij. leng th path L is average  $C = \frac{1}{N} \sum_{i} C_{i}$  where  $C_{i} = \frac{\# \text{ eclges in } G_{i}}{K_{i}(K_{i}-1)}$ Gi is the subgraph containing all reighbors of Ki (Ki-1) is Max runter of the edges in C: (Since Ki is # of nodes in G;),

$$C_{ij} = \frac{1}{d_{ij}}$$