

- location chosen uniformly at random from the lattice.
- This finally creates nkp shortcuts.

if rewiring $e(v_i, v_j)$ to $e(v_i, v_k)$ does not create loops in the graph or

- 1. A desirable model for a real-world network should generate graphs with high clustering coefficients and short average path lengths.
- In the simulated network, the average path length is small and the clustering coefficient is high (as expected).
- 3. However small-world model is incapable of generating a realistic degree distribution (power law) in the simulated graph

