



X is not influential in C_{small} as it only connects to three nodes in C_{small} while the nodes in the clique connect to at least four nodes in C_{small} .

When we consider all nodes as a community, X becomes influential as it connects to 6 nodes, whereas the rest of the nodes only connect to at most 5 nodes.

We use degrees as the influence model to simplify our discussion, but similar counterexamples can be found with the IC model used in our paper.