Assigning Vertices

- How to decide which server a given vertex is assigned to?
- Different options
 - Hash-based: Hash(vertex id) modulo number of servers
 - Remember consistent hashing from P2P systems?!
 - Locality-based: Assign vertices with more neighbors to the same server as its neighbors
 - Reduces server to server communication volume after each iteration
 - Need to be careful: some "intelligent" locality-based schemes may take up a lot of upfront time and may not give sufficient benefits!

