Lecture 29 (continued) TERMINOLOGY - a edges u & v are adjacent : there exists an edge of (u,v) - A self-loop is an edge (u,u) IF a graph does not have parallel edges & self loops it is <u>SIMPLE</u> -a multi-graph can have multiple edges blu the same 2 verticies and self loops IF (u,v) is an edge in graph G, then (u,v) is INCIDENT to vertices in and v, - Degree of a vertex is the # of edges incident on it. A vertex whose degree is O

is isolated

MAXIMAL: there is no ways to add into A' any vertices and/os edges of A which are not currently in A' in such a way that the resulting subgraph is connected