Robby Laurence Howevork #1 N55 edges There is no Eulerian trail for this graph, since there are 4 vertices with odd degree. Asingle new bridge between any two of the vertices with odd degree would allow for an Eylerian path, which would start at one of the remaining vertices with odd degree and end at the other. The minimum degree of this graph is 2, shared by vertices 1,3,4,7, and 9. The maximum degree is S@ vertex 6. The graph density is the number of edges divided by the number of possible edges (36). 12/36 = 13, which is the graph density. 3. The minimum occurs when the tree is a path, with to no other vertices. In this case, there are 2 vertices with degree 1. If you had afree with one vertex in the middle, and every vertex congected only too the middle vertex, you'd have n-1 leaves. An algorithm that finds of degree 1. We could exentially be checking for modes with a entropy of degree 1. We could exente a maprint, into degrees, like 2x,03, - and iterate through the upper half of the adjacency matrix For every 1, we increment value associated with the edumn and row After, we return the number of elements whose value is still 1.