26. We're going to define the mainimum vertex cover problem in terms of integer linear programming. First, he define our vaniables. For a graph with n vertices, we have n variables xi that can be either lor O. We say xi = 1 if i is included in the vertex cover, and is O otherwise. The objective function that we've trying to minimize is Eixi; that is, ne want to have the least number of vertices in the coner possible. The constraint is that every edge must be jucident to a vertex in the cover. In other words, if we have edges in the form (u,v),u,veV, then xu+xv≥1 Y(u,v) EE. This makes Sure that each edge is touched by a vertex in the cover.