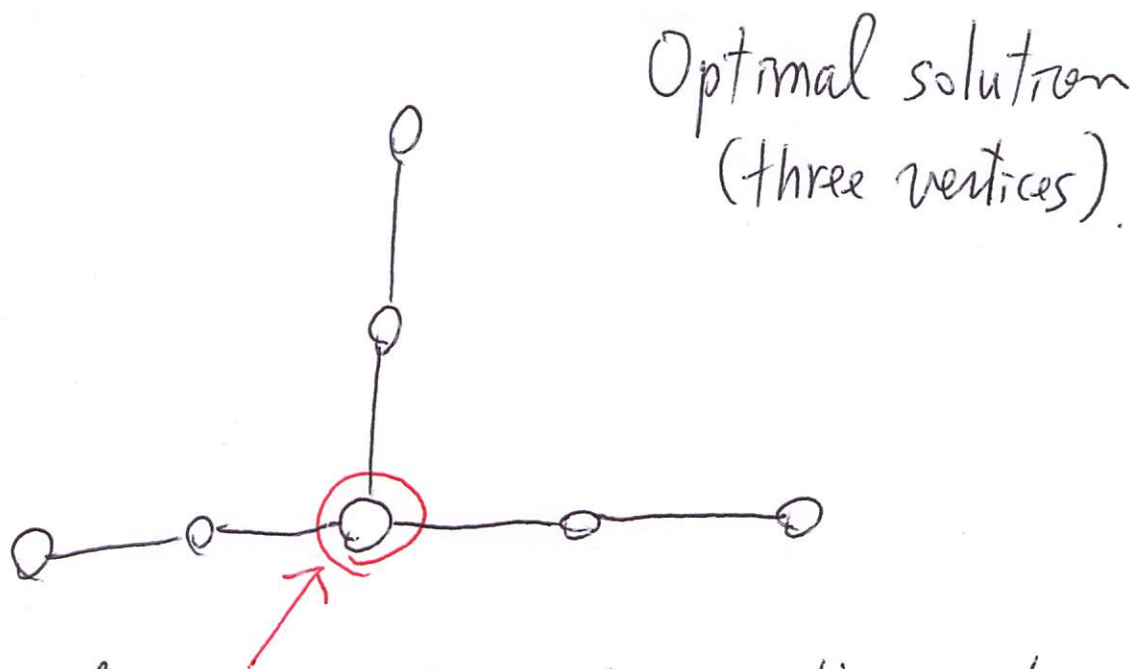Minimum
Vertex Cover : Choosing a minimum
        number of vertices to "cover"

        all the edges in the graph.

                                    Optimal solution
                                    (three vertices).

A greedy apprach picks up the vertex
with maximum *degree* and loses the way
to a global optimal solution.

    In this example, three more vertices
are required to form a vertex cover.