-2023300017 David Daniels Enpt 10 Dir A Babih C This conferement on blush apperomation algorithms has been solved in CPF by using approximate solution for the verten cover problem, to this problem, Verten cover of a graph is a set of vertices such that Cash edge in to is insident to at least one of the considert vertices. The optimal solution finder algorithin is an NP hard algorithin. It works in exponential time which is not pratical. We use approximation algo to find a rolution that is not best, but which is tries to minimise set of vertices. Appenalges work in polynomial time, Algorithim Algorithism

1) Initiare result as ? }

2) Convider set of all edges in graph as ? 3) while E is not employ

- pink on edge (u, v) from E and add u, v verber be > Revore all edges from & imident a my v 4) Return result The time complenity of Ahre algorithism is o (V+E) in the west case, every ther edge is commeted to odjumeny let of the voten