1/2 /2 simple graphs -1 edge -1 [f(a), f(b)]-Relation of affacency is preserved! => Coy and Coz are isomosphic. if we have 2 vertices in any graph here a and b Hw edge it we have onother graph assume that a b image have

us if we have image blw a and U, so we must have the edge blw wand I and I whould be go Simple a and 6 6/w have edge then must have U and V. then we said the Relation is presence of adjacency. => impostant points to ashow the goaph is Not isomosphisams. Y &f Cy and Cy do not have Same number of restrices. Then

I Cy and Cy are not isomorphisms 2 By C1, and C12 do not have some = Cy and Cos are not isomofhisam. 3. If Cy and Co do not have Name. number of verticers of degree.

d=> Con and Con are not isomorphic. en

I En g1 have asome vertice as gav 3. check degree two yestex, present in glack is 6. In 9 6 is the only (1) vertex whose legree a, then there are 3 vertices hose degree Ps 2. so g, have I vertice with degreed. have 3 Vertices with degree 2 Hence it is not isomorphisam that 4th points- if tus= v and degree image your of vertices to U are not to the olggree of vertices to V => Of and Giz are Bomosphic . means and v vertice degree must be equal like us adegree and ve 2 day but other vester like Wandy push of Uvertie, com they still it will not co. is isomorphian.



