

\$6 (V,E) is a oin ple connected 3) a) Suppose is that V = V1 UV2 U -- VK when Vi are all dispoint gind (x,y) in Ethal x in Vi and y in Vi soften will be anecessary path between evry two vatices so this edge exists b) consider the fellowing graph a=4 bo ((m-1,2)= (=) 37 =3x2 (=) 3>3 sot itéfalre c) if 6 have a vertices, 6 must have at least m-1 edges to be connected