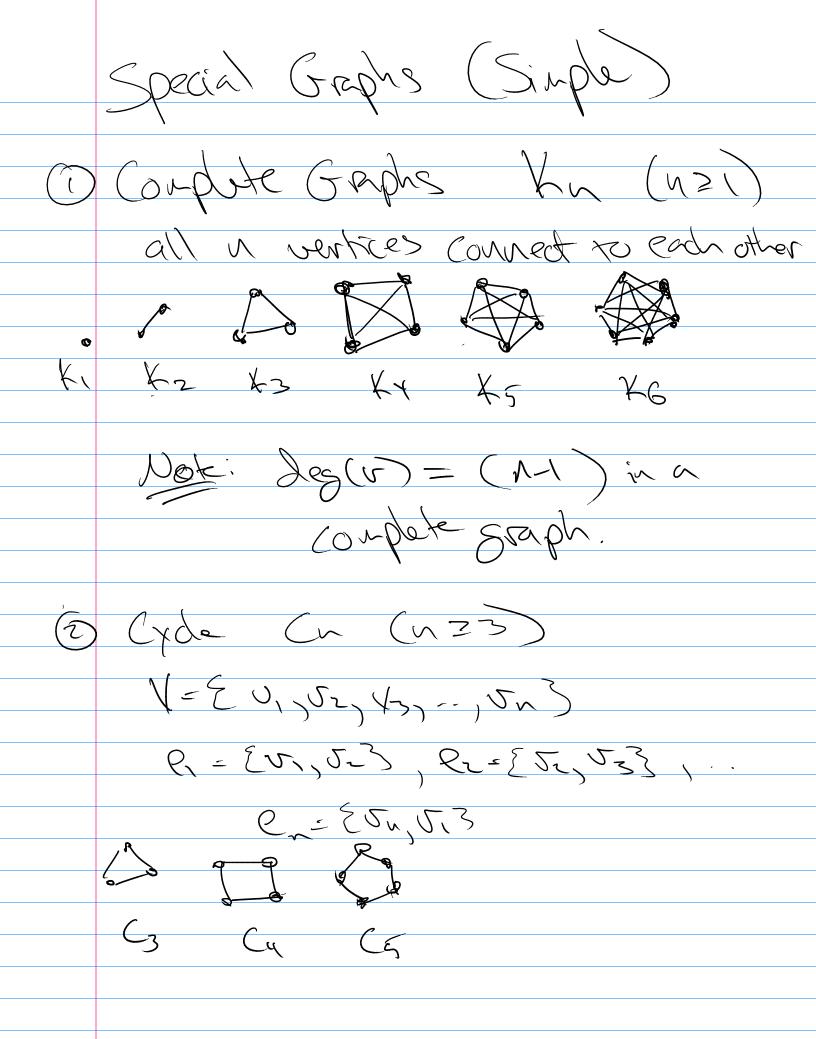
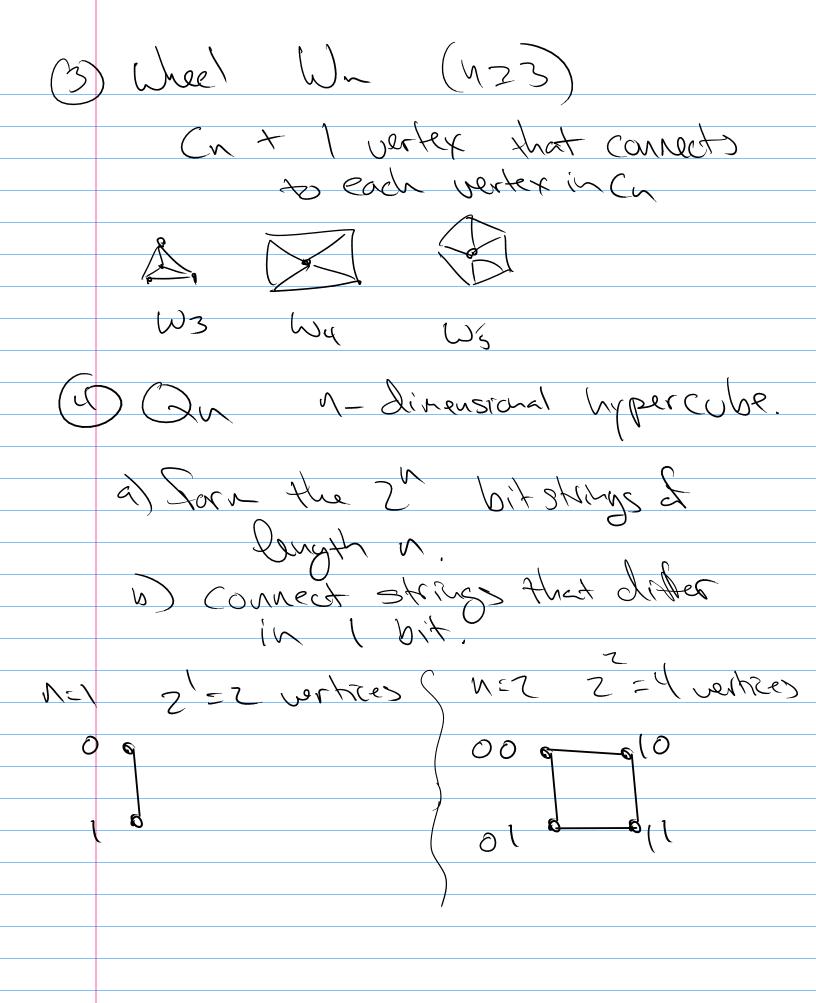
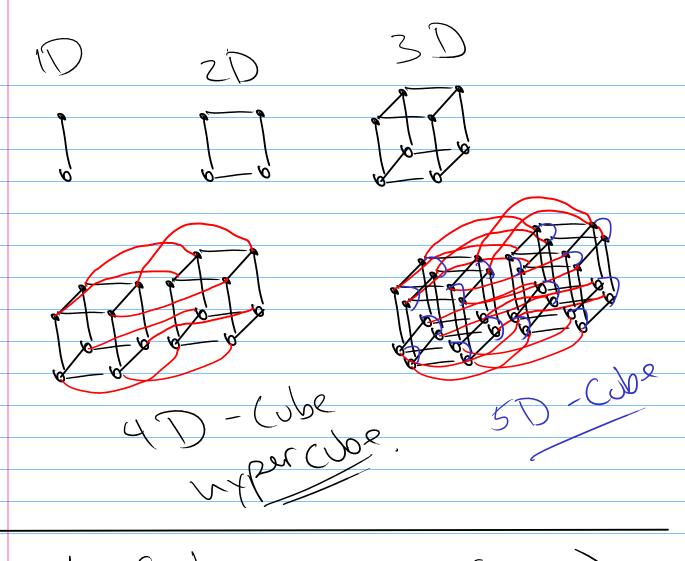
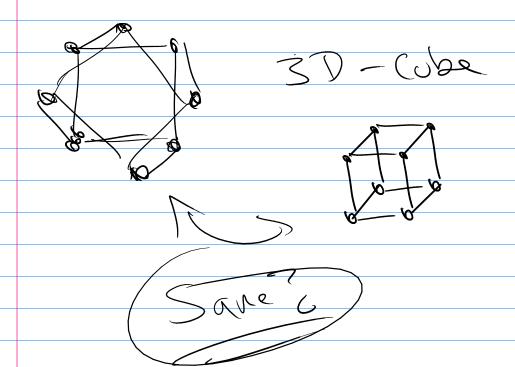
discapl $\{(a,b),(a,a)\}$ Generalize + Study Lasy ! G= (V, E) Ordirected vs. Directed elge = Easb3 elge = (Gb) Sas Application not a



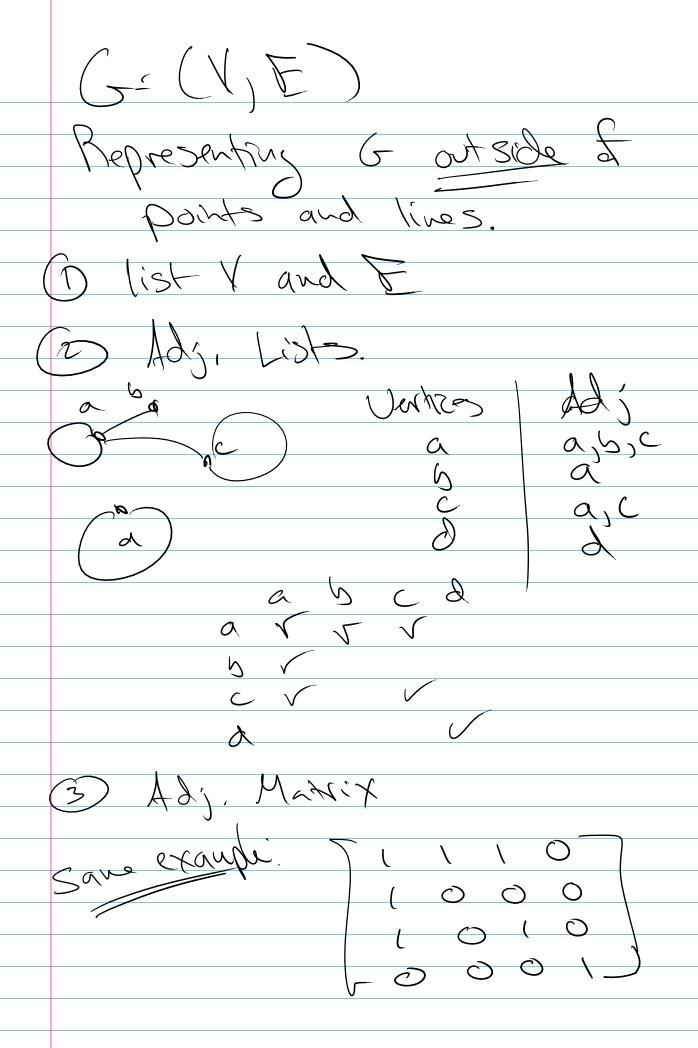


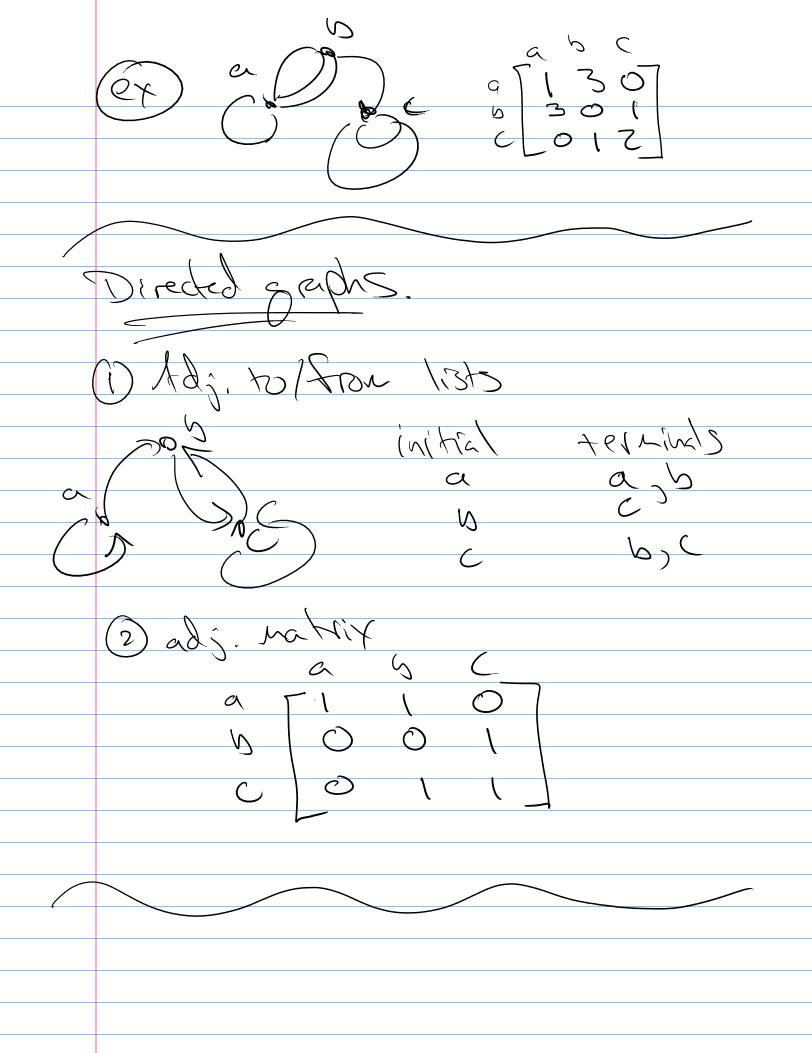


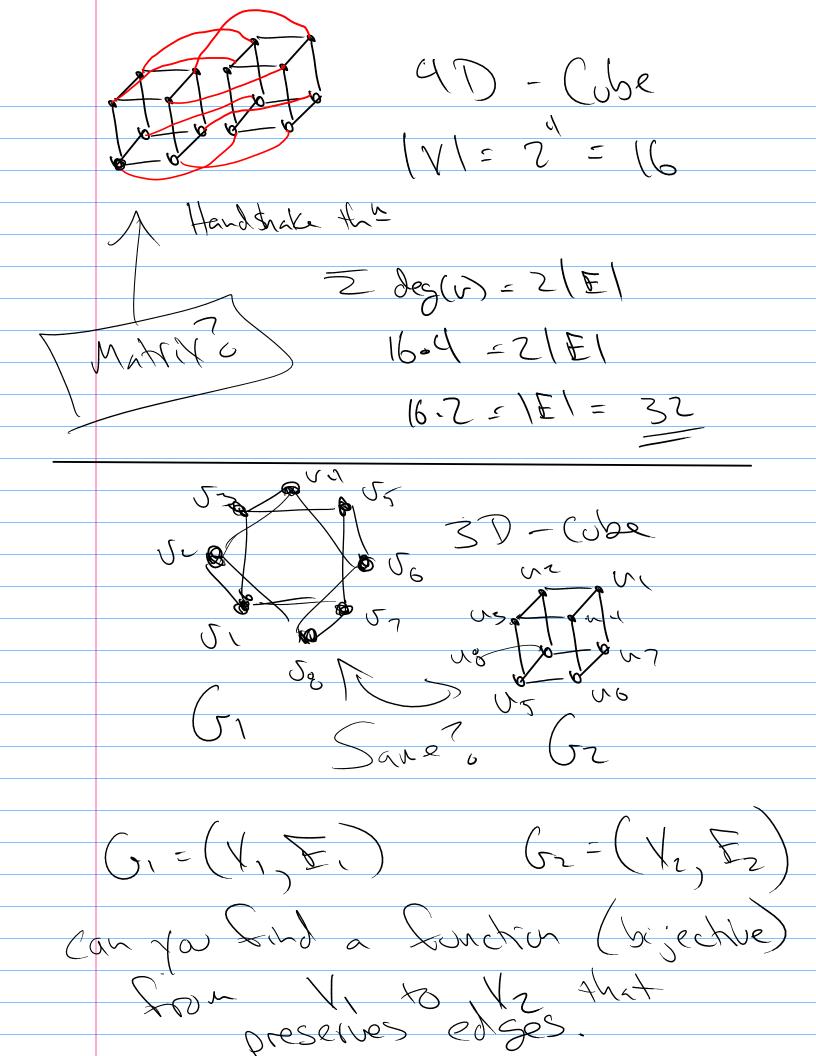
All of these are G=(V)E)

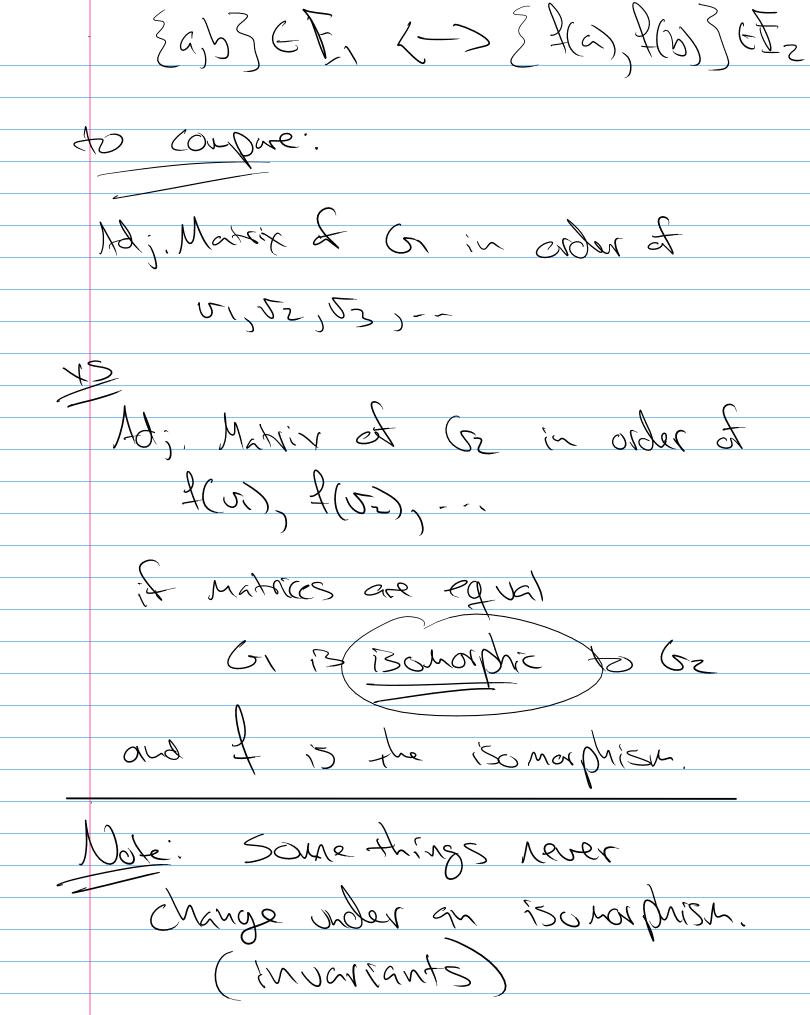


Gis bipartite if V (an be partitioned into V, and that all cologe go between (ouplake Siparhite. 1 vertices M verto









If an invariant is broken -> it can not be Banarphic. E, 1 = | Ez | 3) degrees all match up $\frac{\partial}{\partial y(v)} = \sqrt{2}$ Not iso nor pric. Not 130 har phic.

