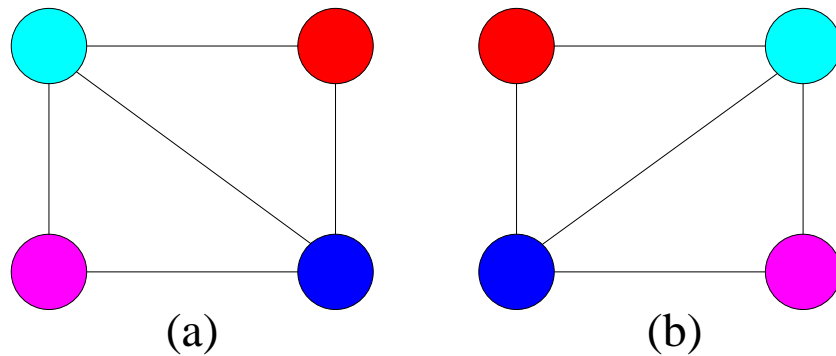
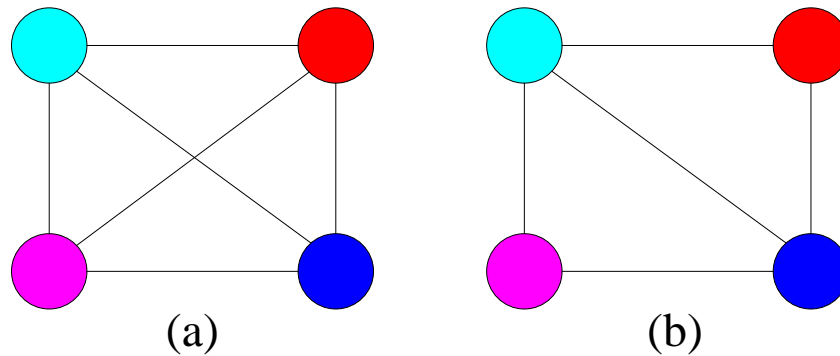


HOMWORK PROBLEMS #2

1-1 Are the following two graphs isomorphic? Why?

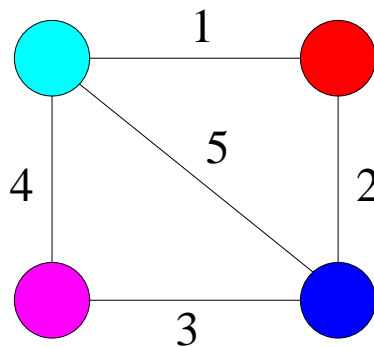


1-2 Find the corresponding complementary graphs of the following two graphs.



1-3 Find the adjacent, incidence, and Laplacian matrices of the above two graphs, respectively.

1-4 Show all the disconnecting sets and cut sets of the following figure:



This HW is due in class on Thursday, 14 Sept. 2023