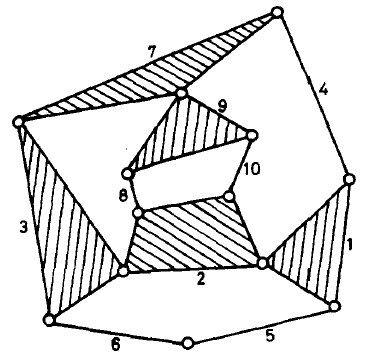
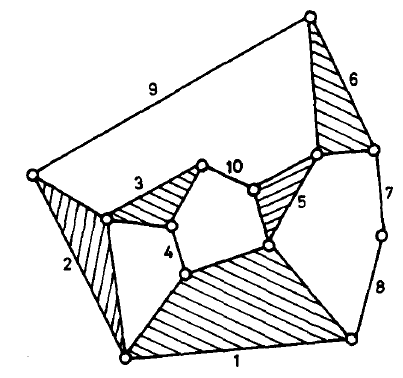
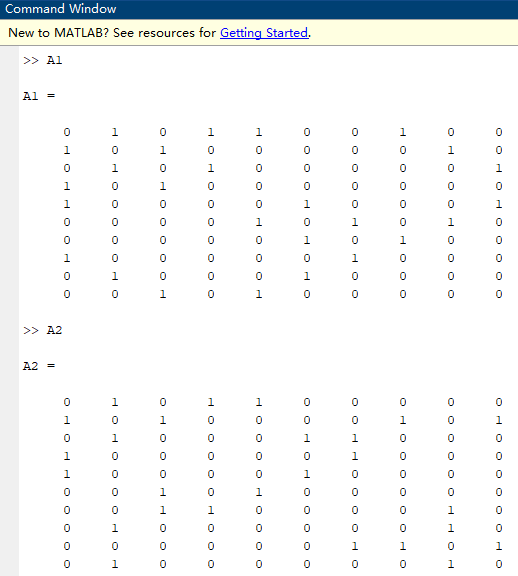
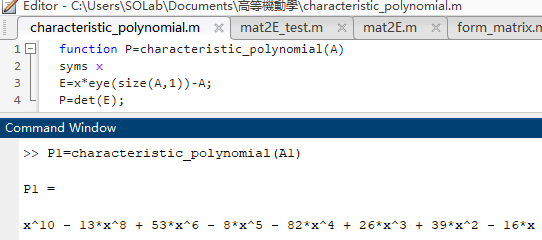
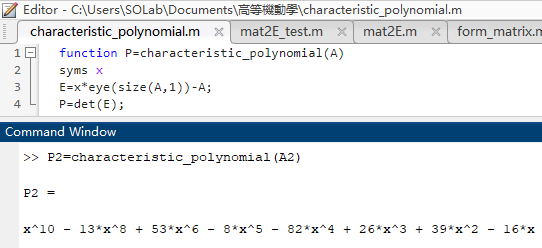
5. (10%) Fig. 4 shows two kinematic chains. Find the characteristic polynomials of the two graphs. Use Matlab. By visual inspection, are they isomorphic?





No, they are not isomorphic.

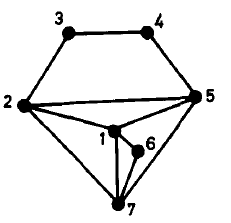
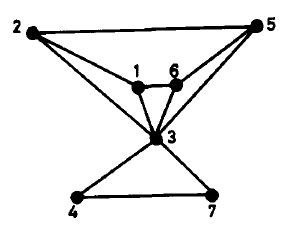


6. (20%) Fig. 5a & 5b are two graphs.

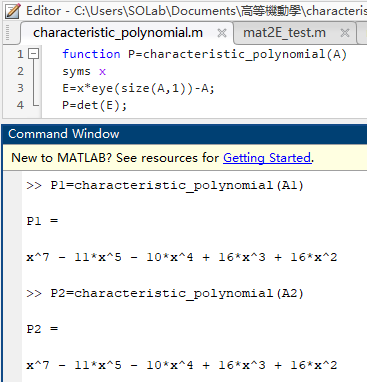
(a) (5%) Find the characteristic polynomials of the two graphs. Use Matlab.

(b) (10%) Find the degree code for each of the two graphs.

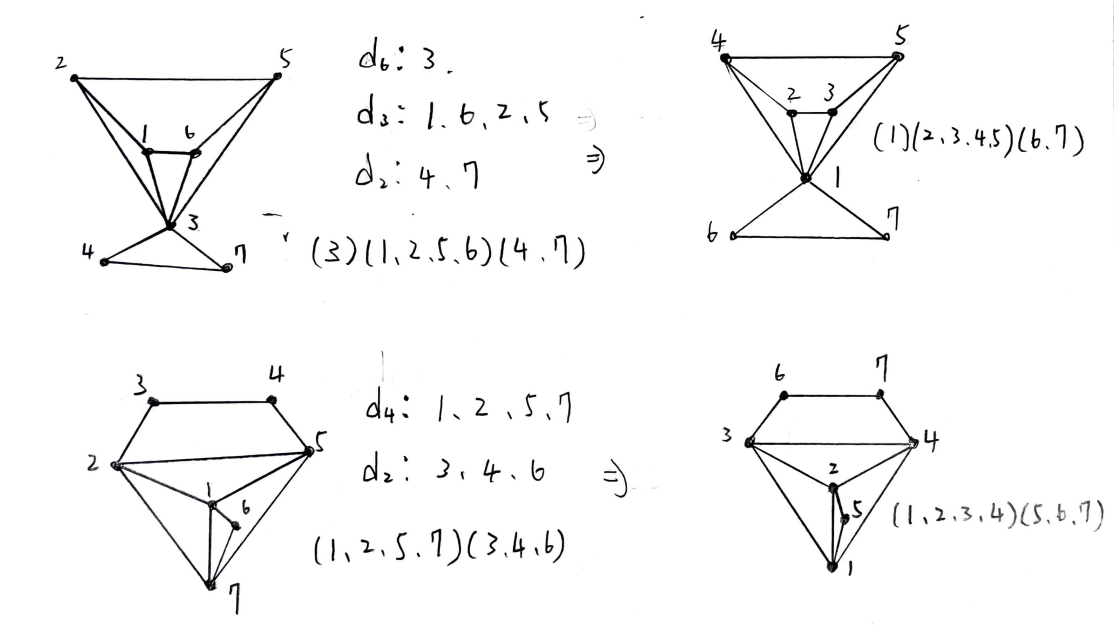
(c) (5%) Are they isomorphic?

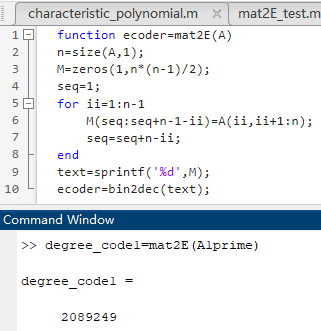
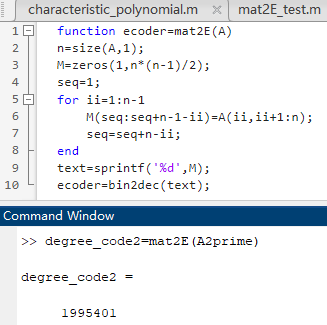
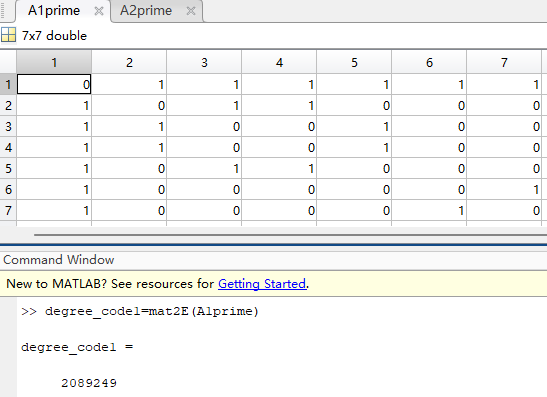


6-a.



6-b.





6-c.

No, they are not isomorphic.