Console

A=

- 2. 2. 2.
- 2. 5. 5.
- 2. 5. 1.

A1=

- 2. 2. 2.
- 2. 5. 5.
- 2. 5. 1.

C1= 8.

A2=

- 4. 8. 0.
 - 8. 14. 6.
 - 0. 6. 22.

C2=

16.

A3=

- 24. 0. 0.
 - 0. 24. 0.
 - 0. 0. 24.

C3=

- 24.

Therefore the characteristic polynomial is:

3 2

A - 8A - 16A - 24 = 0