

1. (10 points) Draw a flow chart to illustrate how to implement multiplication of two matrices by nested for-looping.
2. (10 points) Give definition of the reduced echelon form
3. (10 points) Describe the Gauss-Jordan elimination for translating an augmented matrix to the reduced echelon form
4. (10 points) Draw a flow chart to illustrate the Gauss-Jordan elimination
5. (10 points) Draw a flow chart to illustrate naïve forward elimination
6. (10 points) Draw a flow chart to illustrate backward substitution

7. Implement flow chart 1 and verify your matlab codes. Checked by
_____ time_____

8. Implement flow chart 4 and verify your matlab codes. Checked by
_____ time_____

9. Implement flow chart 5 and verify your matlab codes. Checked by
_____ time_____

10. Implement flow chart 6 and verify your matlab codes. Checked by
_____ time_____