

1. Which of the following is true for $A = \begin{bmatrix} 0 & 1 & 1 & 1 & 1 \\ 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix}$?

- A. Reduced row echelon form.
- B. Row Echelon form.
- C. None.

2. Asagidaki lineer sistemi Gauss-Jordan Yoketme metodu ile cozunuz.

$$\begin{cases} x_1 & - & 2x_2 & - & 2x_3 & + & 2x_4 & = & 0 \\ -x_1 & - & 2x_2 & & & + & x_4 & = & 1 \\ 2x_1 & - & 4x_2 & - & 4x_3 & + & 4x_4 & = & 3 \end{cases}$$

3. Asagidaki lineer sistemi Gauss-Jordan Yoketme metodu ile cozunuz.

$$\begin{cases} x & + & y & + & 2z & + & 2w & = & 3 \\ x & + & 2y & + & z & + & 2w & = & 1 \\ -2x & - & 2y & - & 4z & - & 4w & = & -6 \end{cases}$$

4. Asagidaki lineer sistemi Gauss-Jordan Yoketme metodu ile cozunuz.

$$\begin{cases} 4x & + & 4y & = & 4 \\ 3x & + & y & = & 1 \\ 2x & + & y & = & 1 \\ 4x & + & 3y & = & 3 \end{cases}$$

5. Asagidaki lineer sistemi Gauss-Jordan Yoketme metodu ile cozunuz.

$$\begin{cases} -x_1 & + & 3x_2 & = & -1 \\ 3x_1 & - & 4x_2 & = & -1 \\ -3x_1 & + & 2x_2 & = & 4 \\ -9x_1 & + & 6x_2 & = & -3 \end{cases}$$

6. Asagidaki lineer sistemi Gauss-Jordan Yoketme metodu ile cozunuz.

$$\left\{ \begin{array}{cccc} -x_1 & + & 2x_2 & = & -1 \\ x_1 & - & 2x_2 & = & 1 \\ 3x_1 & - & 6x_2 & = & 3 \\ -4x_1 & + & 8x_2 & = & -4 \end{array} \right.$$

7. Asagidaki lineer sistemi Gauss-Jordan Yoketme Yontemi ile cozunuz.

$$\left\{ \begin{array}{ccccccc} & & & & -3x_4 & = & 2 \\ -2x_1 & & & - & 4x_3 & + & 4x_4 & = & 1 \\ 2x_1 & - & x_2 & + & 4x_3 & - & 3x_4 & = & -1 \end{array} \right.$$

8. Asagidaki lineer sistemi Gauss-Jordan Yoketme metodu ile cozunuz.

$$\left\{ \begin{array}{ccccccc} x_1 & - & x_2 & & & = & 0 \\ -2x_2 & & & - & 2x_3 & = & 0 \\ & - & x_2 & - & x_3 & = & 0 \end{array} \right.$$

9. Asagidaki lineer sistemi Gauss-Jordan Yoketme metodu ile cozunuz.

$$\left\{ \begin{array}{ccccccc} x_1 & + & 2x_2 & - & 3x_3 & = & 0 \\ 2x_1 & + & 4x_2 & - & 6x_3 & = & 0 \\ -3x_1 & - & 6x_2 & + & 9x_3 & = & 0 \end{array} \right.$$