

A:
$$\begin{bmatrix} 2 & -1 & 1 \\ 3 & 0 & 1 \end{bmatrix}$$

$$R_{2} \rightarrow R_{2} - 2R_{1}; R_{3} \rightarrow R_{3} - 2R_{1}$$

$$R_{2} \rightarrow R_{2} - 2R_{1}; R_{3} \rightarrow R_{3} - 2R_{1}$$

$$A = \begin{bmatrix} 2 & 3 & 1 & 4 \\ 0 & -5 & -2 & -7 \\ 0 & -6 & -3 & -5 \end{bmatrix}$$

$$R_{2} \rightarrow R_{2}$$

$$X_{1} \sim \alpha \qquad -\gamma$$

$$X_{1} = 4 - 24 - 3 = 4$$

$$X_{2} = 4$$

$$X_{3} = 7$$

$$X_{1} = 7$$

$$X_{1} = 7$$

$$X_{2} = 7$$

$$X_{3} = 7$$

$$X_{4} = 7$$

$$X_{1} = 7$$

$$X_{2} = 7$$

$$X_{3} = 7$$

$$X_{4} = 7$$

$$X_{1} \sim 2$$

$$X_{2} = 7$$

$$X_{3} \sim 3$$

$$X_{4} \sim 3$$

$$X_{1} \sim 4$$

$$X_{2} = 7$$

$$X_{3} \sim 4$$

$$X_{4} \sim 4$$

$$X_{5} \sim 4$$

$$X_{5} \sim 4$$

$$X_{7} \sim 4$$

-1.502 - (001 (1.42)

$$= 2 \left(\frac{1}{2} \right)^{3} + 3$$

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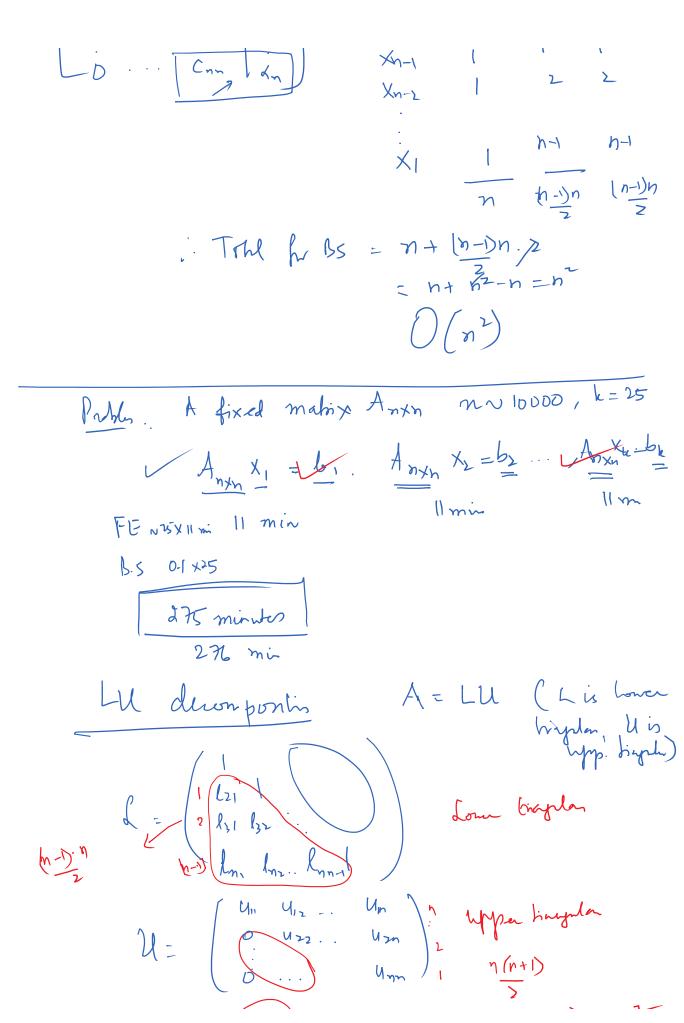
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Um /1 7 (n+1) $A_{NYN} = \begin{pmatrix} n^2 \\ 1 \end{pmatrix} \qquad \begin{pmatrix} n \end{pmatrix} + n \begin{pmatrix} n+1 \\ 2 \end{pmatrix} \\ \frac{1}{2} \end{pmatrix} \qquad \begin{pmatrix} 1 \\ 2 \end{pmatrix} \begin{pmatrix} 1$ A-LU 2 Shre L2U rahes =) LUX = b Set Ux = y, $Ux = y = \frac{1}{2}$ $U(x = y) \rightarrow O(n^2) \sim y$ L, U, y, X (水) 0(水) 0(水)