Câu 1.
$$\Delta a^* = |a|\delta_a + |a - a^*|$$
, \uparrow
Câu 2. $k \ge log(2|a|\delta_a)$, $k \in \mathbb{Z}$
Câu 3. $\Delta_f = |f_X'|\Delta_X + |f_Y'|\Delta_Y$, \uparrow
Câu 4. $m = \min_{x \in [a,b]} |f'(x)|$, $\Delta x^* = \frac{|f(x^*)|}{m}$, \uparrow
Câu 5. $f(X)$, xét dấu $f(x_i)$, \to OAC $f(X)$
Câu 6. $f(X)$, xét dấu $f(X)$ STO $f(X)$ STO

Câu 11.
$$tr(U) = D_1 + \frac{D_2}{D_1} + \frac{D_3}{D_2}$$
, Câu 12. $B_{32} = \frac{A_{32}}{\sqrt{D_1 D_2}}$, A_{32} là định thức bỏ đi dòng 3 cốt 2 của A

Câu 13. $\alpha > \frac{a_{21}a_{12}}{a_{11}}$, hoặc $\begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & \alpha & a_{23} \\ a_{31} & a_{32} & a_{33} \end{vmatrix} > 0$, Câu 14. $k_{\infty}(A) = ||A||_{\infty} ||A^{-1}||_{\infty}$, TAI LIEU SƯU, TÂP

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Câu 15,16,17,18,19,20.

$$\begin{cases} a_{11}x_1 + a_{12}x_2 = b_1 \\ a_{21}x_1 + a_{22}x_2 = b_2 \end{cases}$$

Câu 15.

$$X = (b_{1} - a_{12}B) \div a_{11} : Y = (b_{2} - a_{21}A) \div a_{22} :$$

$$|X - A| : |Y - B| : A = X : B = Y$$

$$||T_{j}||_{\infty} = \max\{|\frac{a_{12}}{a_{11}}|, |\frac{a_{21}}{a_{22}}|\}$$

$$\Delta x^{(2)} = \frac{||T_{j}||_{\infty}}{1 - ||T_{j}||_{\infty}}||x^{(2)} - x^{(1)}||_{\infty}, \qquad \uparrow$$

Câu 16.

$$X = (b_1 - a_{12}B) \div a_{11} : Y = (b_2 - a_{21}A) \div a_{22} :$$

$$|X - A| : |Y - B| : A = X : B = Y : D = D + 1$$

$$Cau 17. X = (b_1 - a_{12}B) \div a_{11} : B = (b_2 - a_{21}A) \div a_{22} : A = X,$$

Câu 18.

$$X = (b_1 - a_{12}B) \div a_{11} : Y = (b_2 - a_{21}X) \div a_{22} :$$

$$|X-A|:|Y-B|$$

$$||T_g||_{\infty} = |\frac{a_{12}}{a_{11}}|$$

$$\Delta x^{(2)} = \frac{||T_g||_{\infty}^2}{1 - ||T_g||_{\infty}} ||x^{(1)} - x^{(0)}||_{\infty}, \qquad \uparrow$$

Câu 19.

$$X = (b_1 - a_{12}B) \div a_{11} : Y = (b_2 - a_{21}X) \div a_{22} :$$

$$|X - A| + |Y - B| : A = X : B = Y : D = D + 1$$

Câu 20.
$$A = (b_1 - a_{12}B) \div a_{11} : B = (b_2 - a_{21}A) \div a_{22}, \rightarrow$$