99710%

السكان شكيا

$$f(x,y) = \chi' - \chi'y + \Gamma y' \Rightarrow \nabla f = (\Gamma \chi - \Gamma \chi y, - \chi' + \Gamma y)$$

$$\Gamma \chi - \Gamma \chi y = 0 \Rightarrow \chi (1 - y) = 0 \quad \Rightarrow \chi = 0 \Rightarrow y = 0$$

$$\Gamma \chi - \Gamma \chi y = 0 \Rightarrow \chi = 0 \Rightarrow \chi = 0 \Rightarrow \chi = 0$$

$$f_{11} = 1-14$$
, $f_{1r} = -12$, $f_{ri} = -12$, $f_{rr} = 16$

$$\Rightarrow H = \begin{bmatrix} r - ry & -rx \\ -rx & r \end{bmatrix}$$

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