2

Harrows your securpency or ulvey) - 8xx +12xy + 32y3 + 15

PRIMERIUS:
$$u(x,y) = 2x^{2} + 12xy + 32y^{2} + 15 = D(u) = \mathbb{R}^{2}$$

$$1/2 + 1/2 + 2 = 64 \iff 2/2 + 1/2 + 1/2 + 2/2 + 1/2 + 1/2 = 64 \iff 2/2 + 1/2 +$$

$$\frac{\partial L}{\partial \chi} = 0 \qquad \left\{ 2\left((2+2)\chi + 6\chi \right) = 0 \qquad \left((2+2)\chi + 6\chi \right) = 0 \\
\frac{\partial L}{\partial \chi} = 0 \qquad \left\{ 2\left((2+2)\chi + 6\chi \right) = 0 \\
\chi^2 + |6\chi^2 - 6\chi =$$

3)

With the first the second second

(=) (=) 1 - 1 ×

(4)

$$|y| = -\frac{1}{4}$$

$$|x^{2} + |6y^{2} = 64|$$

$$|x^{2} + |6y^{2} = |x^{2} + |6|$$

$$|x^{2} + |x^{2} + |x^{2} + |6|$$

$$|x^{2} + |x^{2} + |x^{2} + |6|$$

$$|x^{2} + |x^{2} + |x^$$

$$\begin{pmatrix}
1 = -\frac{1}{2} & \Lambda & (X = 4IZ & \Lambda & y = -IZ) & V & (X = -4IZ & \Lambda & y = IZ) \\
V & (X = -\frac{1}{2} & \Lambda & (X = 4IZ & \Lambda & y = IZ) & V & (X = -4IZ & \Lambda & y = -IZ) \\
\frac{2L}{2X} & (X_1 y_1 1) = 0 & \Lambda & \frac{2L}{2Y} & (X_1 y_1 1) = 0 & \Lambda & \frac{2L}{2X} & (X_1 y_1 1) = 0
\end{pmatrix}$$

$$\frac{\partial^{2} u}{\partial y^{2}} = \frac{\partial}{\partial y} \left(\frac{\partial u}{\partial y} \right) - \frac{\partial}{\partial y} \left(\frac{1}{1} x + \frac{1}{2} y \right) = \frac{1}{2} \frac{\partial}{\partial y} (y) = \frac{1}{2} \cdot \frac{1}{1} = \frac{1}{2}$$

$$\frac{\partial^{2} u}{\partial y^{2}} = \frac{\partial}{\partial y} \left(\frac{\partial u}{\partial y} \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{1}{2} \frac{\partial}{\partial y} (y) = \frac{1}{2} \cdot \frac{1}{1} = \frac{1}{2}$$

$$\frac{\partial^{2} u}{\partial y^{2}} = \frac{\partial}{\partial y} \left(\frac{\partial u}{\partial y} \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} x + \frac{1}{2} y \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1}{2} x + \frac{1}{2} x + \frac{1}{2} x \right) = \frac{\partial}{\partial y} \left(\frac{1}{2} x + \frac{1$$

$$\frac{\partial^{2}L}{\partial y \partial y} = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial A}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial A}{\partial y} \right) = \frac{\partial^{2}L}{\partial y \partial x}$$

$$= \frac{\partial^{2}L}{\partial y \partial y} + \lambda \frac{\partial^{2}L}{\partial y \partial y} = [2 + 1 \cdot 0 = 12] = \frac{\partial^{2}L}{\partial y \partial x}$$

$$\frac{\partial^{2}L}{\partial y \partial y} - \frac{\partial}{\partial x} \left(\frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial y} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial y} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial L}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x} + \lambda \frac{\partial M}{\partial x} \right) = \frac{\partial}{\partial x} \left(\frac{\partial M}{\partial x}$$

$$\begin{aligned} & \int_{X_1}^{1} \left(X_1 Y_1 \right) = 0 \Rightarrow \int_{X_1}^{1} dY_2 = 2x dx + 32y dy = 2 \left(x dx + 16 y dy \right) \\ & \Rightarrow 2 \left(x dx + 16 y dy \right) = 0 \Leftrightarrow x dx + 16 y dy = 0 \\ & \Rightarrow 2 \left(\left(\frac{1}{1+2} \right) \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy + 2 \cdot 0 dx \right) = \\ & \Rightarrow 2 \left(\left(\frac{1}{1+2} \right) \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy + 2 \cdot 0 dx \right) = \\ & \Rightarrow 2 \left(\left(\frac{1}{1+2} \right) \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) - \frac{1}{2} \\ & \Rightarrow 2 \left(\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) = 2 \frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 + \frac{3}{2} \cdot 12 dx dy \right) = \\ & \Rightarrow 3 \left(\frac{1}{2} x^2 + 32 dy^2 + 2 \cdot 11 dx dy \right) = 3 \left(\frac{1}{2} x^2 + 2 dx u dy - \left(\frac{1}{2} dy \right) \right) + 16 dy^2 \right) = \\ & \Rightarrow 3 \left(\frac{1}{2} \left(\frac{1}{2} x^2 + 32 dy^2 + 2 \cdot 11 dx dy \right) + 3 \left(\frac{1}{2} x^2 + 2 dx u dy - \left(\frac{1}{2} dy \right) \right) \right) + 16 dy^2 \right) = \\ & \Rightarrow 3 \left(\frac{1}{2} \left(\frac{1}{2} x^2 + 32 dy^2 + 2 \cdot 11 dx dy \right) + 2 \left(\frac{1}{2} x^2 + 2 dx u dy - \left(\frac{1}{2} dy \right) \right) \right) + 16 dy^2 \right) = \\ & \Rightarrow 3 \left(\frac{1}{2} \left(\frac{1}{2} x^2 + 32 dy^2 + 2 \cdot 11 dx dy \right) + 2 \left(\frac{1}{2} x^2 + 2 dx u dy + \left(\frac{1}{2} x^2 + 1 dx dy \right) \right) \right) + 16 dy^2 \right) = \\ & \Rightarrow 2 \left(-\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) = 2 \left(-\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) + 12 dx dy \right) + 12 dx dy \right) = \\ & \Rightarrow 2 \left(-\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) = 2 \left(-\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) + 12 dx dy \right) + 12 dx dy \right) = \\ & \Rightarrow 2 \left(-\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) = 2 \left(-\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) = \\ & \Rightarrow 2 \left(-\frac{3}{2} \left(\frac{1}{2} x^2 + 32 dy^2 \right) + 12 dx dy \right) = 3 \left(\frac{1}{2} x^2 + 2 dx dy \right) + 12 dx$$

(3)

Onlem: $(x_1y) = (41z_1 - 4z)$] however yearstrone $(x_1y) = (-46z, 6z)$] however yearstrone $(x_1y) = (41z_1, 4z)$] however yearstrone $(x_1y) = (41z_1, 4z)$] however yearstrone $(x_1y) = (-46z, 4z)$] however yearstrone $(x_1y) = (-46z, 4z)$] however yearstrone