$$\nabla lo = (2X - 2 + \mu_1 - \mu_2) = (0) \qquad X^* = \mu_1/2 + \mu_2/2 + 2$$

$$(1 - 1 + 4 \mu_1 + \mu_2) = (0) \qquad Y^* = -\mu_1 - \mu_2/4 + 1$$

Appliquer X tet 7 dons la condition KAT

$$\begin{array}{c}
\nu_{1} \left(\nu_{1} / 2 - \nu_{2} / 2 - 2 + 4 \nu_{1} + \nu_{2} - 4 + 3 \right) = 0 \\
\nu_{1} \left(9 / \nu_{1} / 2 + \nu_{2} / 2 - 3 \right) = 0 \\
\nu_{2} \left(\nu_{1} / 2 + 3 \nu_{2} / 4 + 1 \right) = 0
\end{array}$$

5.
$$\mu_2 = 0$$
 $\mu_1 = 2/3$ Appliquer $\mu_1 = 0$ $\mu_2 = 0$ $1 = 0$

$$I/$$

$$2x^{2}+y^{2}=C$$

$$L(X,Y,\lambda)=2x^{2}+y^{2}-\lambda(2X-Y-1)$$

$$M = (4X-\lambda)=(0)$$

$$x^{*}=\lambda/4$$

$$2y-\lambda=0$$

$$y^{*}=\lambda/2$$

$$g(\lambda) = 2\lambda^{2}/4^{2} + (\lambda^{2}/4)(3\lambda/4 - 1)$$

$$= 2\lambda^{2}/4^{2} + \lambda^{2}/4 - 3\lambda^{2}/4 + \lambda$$

$$= (\lambda^{2} + 2\lambda - 6\lambda^{2} + 2\lambda)/8 = -3\lambda^{2}/8 + \lambda$$

On calcole X*et Y* avec 1*
On obtions done X*= 1/5 Y*= 2/3

Pour résau dre ce problème:

no 2-16 es no-le a no--4

On no--4 impossible puisque no 20

danc X = 4