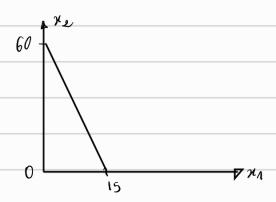
EXL:



$$\mathcal{L}/\mathcal{V}(\gamma_1,\gamma_2) = 8\chi_1^2 \chi_2 \qquad \chi_2 = 60 - 4\chi_1$$

Néthode de substitution:

in andihon!

$$\mathcal{V}(N_A) = 2 \times 1190 \, N_A = 3 \times 32 \, N_A^2 = 0$$

$$\frac{\lambda - b - \sqrt{b}}{2a} \quad \frac{\lambda}{2a} = \frac{-b + \sqrt{b}}{2a}$$

$$= \frac{10 - 10}{2} = \frac{10 + 10}{2}$$

$$= 0 = 10$$

lene Condition:

$$\frac{\partial}{\partial x_{1}} = \frac{\mathcal{L}(\mathcal{H}_{A}, \mathcal{H}_{2})}{\mathcal{L}(\mathcal{H}_{A}, \mathcal{H}_{2})} + \frac{\mathcal{L}(\mathcal{H}_{A}, \mathcal{H}_{A}, \mathcal{H}_{2})}{\mathcal{L}(\mathcal{H}_{A}, \mathcal{H}_{2})}$$

$$\frac{\partial L(x_1, u_{e,\lambda})}{\partial \lambda} = 60 - \mu x_1 - x_2 = 0 \Rightarrow 60 = \mu x_1 + x_e \quad (P.B)$$

$$\begin{cases} \chi_2 = 2 \chi_1 \\ \chi_2 = 60 - 4 \chi_1 \end{cases} = D \begin{cases} 6 \chi_1 = 60 \\ \chi_2 = 2 \chi_1 \end{cases} = D \begin{cases} \chi_1 = \lambda_0 \\ \chi_2 = 2 \chi_1 \end{cases}$$

Mont Savoir Combien céder il fant TMS_{Mr}.

$$\frac{U_{m_1} = \frac{\partial U}{\partial m_1} = 16 \, m_{em_1} \, U_{m_2} = \frac{\partial U}{\partial m_2} = 8 \, m_1^2}{U_{m_2} = \frac{\partial U}{8 \, m_1^2} = \frac{\partial U}{2 \, m_2} = \frac{\partial U}{2 \, m_2}$$

Le char et prêt à céder 4 sie e pour suité du sie 1.

```
Tethodell lagrange: L(m, re, x) = n, + 1 n, + en, ne + 2 ( uD - um - 2 xe)
         \frac{\partial L}{\partial x_1} = \lambda x_1 + \lambda x_2 - \mu \lambda = 0 \quad \text{sof} \lambda = \mu_1 + \lambda 2
\frac{\partial L}{\partial x_2} = \lambda \mu_2 + \lambda \mu_1 - 2\lambda z_2 \quad \lambda \lambda = \frac{1}{2} x_2 + \lambda \mu_1
                                                                      done \int \mathcal{X} = 2 \eta_1
\int \mathcal{U} - \mathcal{U} \eta_1 - 2 \eta_2 = 0
           3/2 = 40- Un, -2n2 =0

\begin{cases}
Nz = 2n_{1} \\
uo - 2n_{2} - 2n_{1} = 0
\end{cases}

UN2 = DN_{1} = 5

                                                                                     (5,10)
           V = 5^{2} + \frac{1}{4}100 + 2.5.10
               = 25 + 25 + 10.10
                - 50+100 = 150.
  EXS: U= (x1 + 100)3/2 x2/2 500 = x1 + 3 x2
     N Par la Wéthate de Lagrange: L=(x1+100). x2 + 1(500 - x1 - 3 x2)
        \frac{\partial L}{\partial m} = \frac{3}{2} \left( 100 + n_A \right) \cdot n_B - h = 0 = 0.00 + 3 \times \sqrt{n_2 \left( 100 + n_A \right)}
         \frac{\delta L}{\delta Nc} = \frac{1}{2} \frac{-N_0}{v_N} \left( N_N + 100 \right) = \frac{3}{3} \frac{1}{3} \sqrt{\frac{\gamma_N + 100}{\gamma_N + 100}}
        1 = 500-NA-3X2=0=0 500= MA+3N2
```

