Francisco Maria Sousa gorgalues Paiva (a93311) MIEI 2° Parte 0 = n+y = 1 0 = 2n-y = 3 $T(u, V) = \left(\frac{u+v}{3}, \frac{2u-v}{3}\right) = \left(\frac{u}{3}, \frac{v}{3}, \frac{2u-v}{3}\right)$ a) $J + (u, v) = \begin{pmatrix} \frac{1}{3} & \frac{1}{3} \\ \frac{2}{3} & -\frac{1}{3} \end{pmatrix}$ $\begin{pmatrix} \frac{u}{3} \end{pmatrix}^2 = \frac{1}{3} & \begin{pmatrix} \frac{u}{3} \end{pmatrix}^2 = \frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = \frac{2}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{-v}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} \\ \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 = -\frac{1}{3} & \begin{pmatrix} \frac{2u}{3} \end{pmatrix}^2 =$ $\cot \left(JT(u,v) \right) = -\frac{1}{9} - \frac{2}{9} = -\frac{3}{9} = -\frac{1}{3} \quad c.g. m$ 5) n: n+v e y=2m-v $\begin{cases} 32 = M + V \\ 3y = 2N - V \end{cases} (E) \begin{cases} 32 - N = V \\ 3y = 2N - 32 + M \end{cases} (E) \begin{cases} 32 - M \\ 3y + 32 = 3M \end{cases} (E)$ (3) V = 22 - Y e como D= (2) 1/4) 61h = 0521451, 0522453} Substituindo tomos

(3)
$$(10)(m,v) = (m+v + 2m-v)^{\frac{3}{2}}$$
 $(12)(5)(m,v) = \frac{1}{3}$

Notagão
$$S(n_{i,y}) = S(n_{i,y}) = S(n_{i,y$$

cálculo:

$$\int_{0}^{3} \int_{0}^{1} \left(\frac{3u}{3}\right)^{2} \times \frac{1}{3} du dv = \int_{0}^{3} \int_{0}^{1} \frac{u^{2}}{3} du dv = \int_{0}^{3} \frac{u^{2}}{3} du dv = \int_{0}^{3}$$