a) 
$$A_{n} = 3nA^{2} = \begin{pmatrix} 1000 \\ 0-100 \\ 00-10 \end{pmatrix} \cdot \begin{pmatrix} -1 \\ 1 \\ 3 \end{pmatrix} = \begin{pmatrix} -1 \\ 1 \\ 3 \end{pmatrix} = \begin{pmatrix} -1 \\ 1 \\ 3 \end{pmatrix}$$

$$S = T^{N}A_{1} = T^{N}S_{n}A_{n} = A_{1} = A_{2} = A_{1}$$

$$A_{2} = A_{2}A_{n}$$

$$A_{3} = A_{3}A_{n}$$

$$A_{4} = A_{3}A_{1}$$

$$= \begin{pmatrix} 2 & 1 & 1 & 1 \\ -2 & -1 & -2 & -2 \\ -2 & -1 & -1 & -2 \\ 1 & 1 & 1 & -1 \end{pmatrix}_{p} \begin{pmatrix} +1 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 \\ 0 & 0 & 0 & -1 \end{pmatrix}$$

$$= \begin{pmatrix} -16 \\ 11 \\ 11 \\ 0 \end{pmatrix}$$

$$T_{N} = 3\lambda_{N}T_{0}^{\lambda} = 3\lambda_{N}S_{0}T^{\lambda_{0}} =$$

$$= 3\lambda_{N}T_{0}^{\lambda} = -T_{0}^{\lambda}S_{\lambda_{N}} = T_{0}^{\lambda_{N}} =$$

$$= \left(2 - 1 - 1 + \frac{1}{2} - \frac{1}{2}$$

$$\frac{\partial}{\partial x} = \frac{1}{1} \left( \frac{1}{1} \right) \cdot \left( \frac{1}{1} - \frac{1}{1} \right) \cdot \left( \frac{1}{1} - \frac{1}{1} - \frac{1}{1} \right) \cdot \left( \frac{1}{1} - \frac{1}{1} - \frac{1}{1} - \frac{1}{1} \right) \cdot \left( \frac{1}{1} - \frac{1}{1} - \frac{1}{1} - \frac{1}{1} - \frac{1}{1} \right) \cdot \left( \frac{1}{1} - \frac{1}{1} \right) = \frac{1}{1} \left( \frac{1}{1} - \frac{1}{1$$

Samuel no oppegene who gential know no oppegene who gential know no oppegene who gential know no oppegene 
$$A = A \times S \times (A - 1)^{\alpha} = 0$$

$$\int_{1}^{2} (1-h^{2}) ho y^{2} = \frac{1}{(1-h^{2})^{2}}$$

$$\int_{1}^{2} (3-h^{2}) ho y^{2} = \frac{1}{(1-h^{2})^{2}}$$

$$\int_{1}^{2} (3-h^{2}) ho y^{2} = \frac{1}{(1-h^{2})^{2}}$$

$$= \frac{1}{2} ho (1) = \frac{1}{2} ho (1-h^{2}) = \frac{1}{2} ho (1-h^{2})$$

$$\int_{1}^{2} (3-h^{2}) ho y^{2} = \frac{1}{(1-h^{2})^{2}}$$

$$\int_{1}^{2} (3-h^{2}$$

