$$\begin{split} & \mathcal{E} = (\rho, \theta)^{T} \mathcal{E}^{A} = (\rho^{A} \rho) \\ & (\mathcal{E}^{A})^{n} = ((\rho^{A})^{n} (\rho^{A})^{n-1} \rho) \quad \text{for } n > 1 \\ & \mathcal{E}_{A} = (\rho, \theta)^{n} = (\rho^{A})^{n} \rho \quad \text{for } n > 1 \\ & \mathcal{E}_{A} = (\rho, \theta)^{n} = (\rho^{A})^{n} \quad \text{for } n > 1 \\ & \mathcal{E}_{A} = (\rho, \theta)^{n} = (\rho^{A})^{n} \quad \text{for } n > 1 \\ & \mathcal{E}_{A} = (\rho, \theta)^{n} = (\rho^{A})^{n} \quad \text{for } n > 1 \\ & \mathcal{E}_{A} = (\rho, \theta)^{n} = (\rho^{A})^{n} \quad \text{for } n > 1 \\ & \mathcal{E}_{A} = (\rho, \theta)^{n} = (\rho^{A})^{n} = (\rho^{A})^{n} \quad \text{for } n > 1 \\ & \mathcal{E}_{A} = (\rho, \theta)^{n} = (\rho^{A})^{n} =$$