

**1 Problem 1.**

Suppose that

$$\left(\left(\sqrt{\sum_{e=2}^m\sum_{l=j}^2\frac{\sum_{k=9}^e\sqrt{\sqrt{\frac{\partial}{\partial j}}(y)}}{k}}\right)_{i\odot\sum_{k=7}^5\lim_{j\rightarrow 0}(k)^0}-\infty\right)_{ky}^8=\int_{\pi+j}^n xdk\leq \cos\left(\frac{\partial}{\partial i}(9)\right)$$

Prove that

$$(n)_{ex}\in\mathbb{R}^3$$