Q1)
$$f: [a,b] \rightarrow \mathbb{R}$$
 be a function $x \in [a,b]$
Show $f: different f(x) = 1 \iff \exists u(t)$
(51) $\lim_{t \to \infty} u(t) = 0 = u(x)$ & $f(t) = f(x) + f(t+x)(1-4)$
 $f(t) = k(x) + (k-x)(1+u(t))$

$$\begin{cases} f(x) = f(x) - f(x) \\ + - x \end{cases} \begin{cases} f(x) = f(x)(1+u(t)) \\ f(x) = f(x) - f(x) \\ + - x \end{cases} \begin{cases} f(x) = f(x)(1+u(t)) \\ f(x) = f(x) + f(x)(1+u(t)) \\ f(x) = f(x) + f(x)(1+u(t)) \end{cases}$$

$$f(x) = f(x) + f(x)(1+u(t)) + f(x)(1+u(t))$$

$$f(x) = f(x) + f(x)(1+$$

lux
$$L'$$
 $Hospital'$ Ynu to determine.
$$f((1-1)(n_1) + Ix_2) \leq (-1 f(n_1) + I(x_2))$$

 $\frac{1}{2} + \frac{\int_{i}^{i}(x_{n})}{\zeta} + \frac{\int_{i}^{i}(x_{n})}{\zeta} =$

6= sl'(2,) + f'(a,)