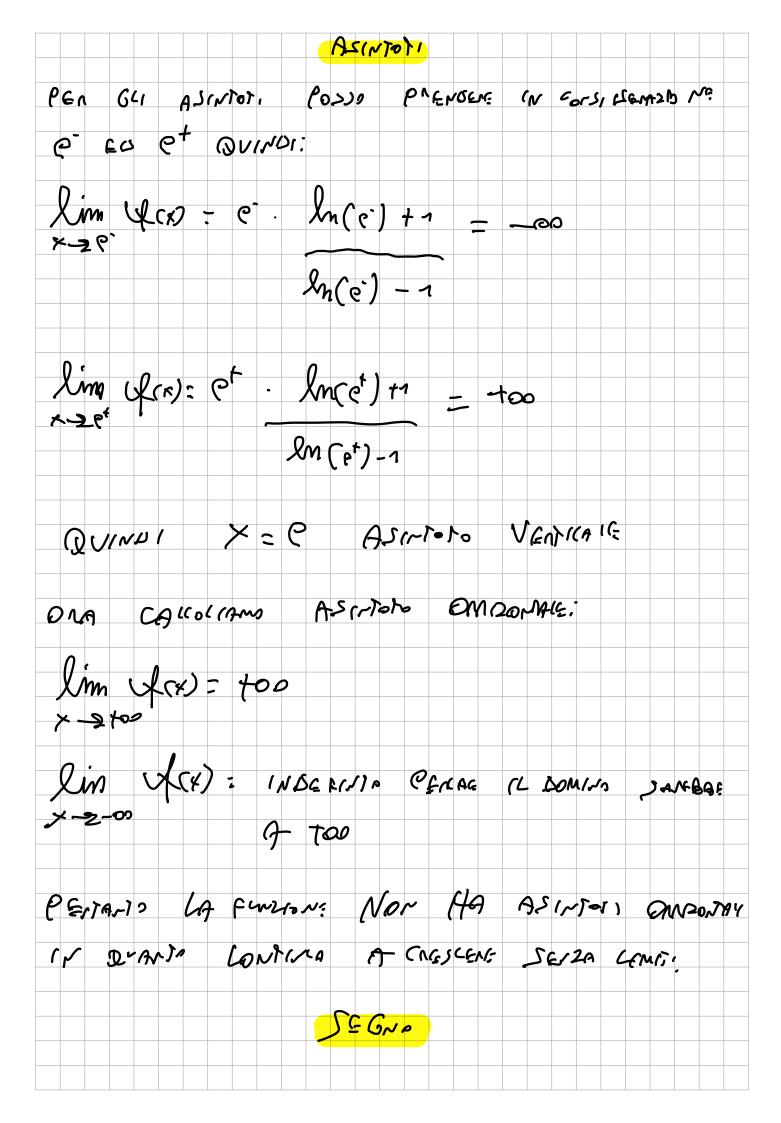
Esame 12 luglio 2023

Esancrara 1

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

2) $pom(y) = 11^{\frac{1}{2}} \{e\}$ Questo Penna

 $lm(x) \neq 1$
 $pom(y) = 1$
 $pom(y$



$$\begin{array}{c} U_{1}(x) = x & U_{2}(x) = Lm(x) + 1 \\ U_{1}(x) = 1 & U_{2}(x) = \frac{1}{x} \\ \\ I & (lm(x) - 1) - (x(lm(x) + 1)) - \frac{1}{x} \\ \\ = (lm(x) + 2) \cdot (lm(x) - 1) = lm(x) \cdot lm(x) + 2lm(x) - lm(x) - 1 \\ \\ = lm^{2}(x) + lm(x) - 2 = lm^{2}(x) + lm(x) - 2 - (lm(x) + 1) \\ \\ = lm^{2}(x) + lm(x) - 2 - lm(x) - 1 = lm^{2}(x) - 3 \\ \\ = lm^{2}(x) + lm(x) - 3 - lm(x) - 1 = lm^{2}(x) - 3 \\ \\ V^{MCMATANT} \\ \\ V^{1}(x) = lm^{2}(x) - 3 \\ \\ V^{MCMATANT} \\ \\ V^{1}(x) \geq 0 \\ \\ V^{2}(x) \geq 0 \\ \\ V^{2}(x)$$

