Exercício do Limite – Limite Exponencial

$\frac{\omega}{x} \lim_{x \to \infty} \left(\frac{1+1}{x} \right)^{\frac{1}{4}x} = \lim_{x \to +\infty} \left[\left(\frac{1+1}{x} \right)^{\frac{1}{4}x} \right]^{\frac{1}{4}x}$ $\frac{b}{x} \lim_{x \to \infty} \left(\frac{1+1}{x} \right)^{\frac{1}{4}x} = \lim_{x \to \infty} \left(\frac{1+1}{x} \right)^{\frac{1}{4}x}$ $\lim_{x \to \infty} \left[\left(\frac{1+1}{x} \right)^{\frac{1}{4}x} \right]^{\frac{1}{4}x} = \lim_{x \to \infty} \left(\frac{1+1}{x} \right)^{\frac{1}{4}x}$	al
b) lim (1+1) = lim (1+1) + x x->0 (1+1) + x	= 1
lin (1+1) × / = lin (1+1) × / =	-
et = te 1	

C) lim (1+1) x - lim (1+1) 4/5 x - - 0 (6x) = lim (1+1) 4/5 lim (1+1) 4/3 = lim [(1+1) 4/5 -45 - 3/E1

de) lim (1+1) x+2 - /1 - (1+1)x.
(1-1)2 = lin (1+1) × lin (1+1)2=
$e(1+\frac{1}{2})^2 = e(1+0)^2 = e(1+e)$
lim (1+1) x+2 = e

2) line (1+1) = 2. (1+1) - 0. (1+0)=

Line (1+1) = 2. (1+1) - 0. (1+0)=

2.1 = 0

1) lem (1+x) tet - line (1+1) a - e