har ingen asymptoter. 0) f(x) = x2 (e x -1); Verhikale asymptoter bonhineslig overalt hor x \$ 0 => ingen andre melige vertibale aryong toler lin x²(e x-1) = lin x-00 d d d x +0= $= \lim_{x \to 0^{+}} e^{\frac{1}{x}} (\sqrt{\frac{1}{x^{2}}}) = \lim_{x \to 0^{+}} \sqrt{\frac{1}{x^{2}}} = \lim_{x \to 0^{+}} \sqrt{\frac{1}{x^{2}}}$ => & har en vertibal arymptote nåt x -> 0 (nur ille når x -> 0 Straasymptoler: = line × ++00 = line 0" : L'H

lin x (x(e x-1)-1) (fra i)) ex-1+x ex (- 12) x (e x -1) -X-1+0 (xex-x2-X-+±00 (x2(ex--line X->±00 0 114 y=1x+0=x er en slerå asymptobe for of (rain x-4 ±00)