$1f(x,y) = \frac{x^{2}}{y} + e^{(y-x)}$ $\frac{df}{dx} = 1(f = x_{7})$ If = If . JX7 = 1 If = If , IX7 . IX4 . IX3 = 1/2 (4) of of the definition of the de Jt Jx4 = ex9.1+11-13) If = If = If JX2 + 2 ex = X2 = e(9 x) - 42 ex = X2 = e(9 x) - 42

2) Sub : 25th JUX-9 =1 1 (x-9)=-1 Sum: $\frac{J(x+y)}{Jx} = \frac{J(x+y)}{Jy} = 1$ mul g(x.g) = 9 g(x. d) = x power 1(xe) = exe-1 Sigmoid! y=I+et = y(1-4) · \$\frac{1\times 7}{1\times 6} 241-11-x34