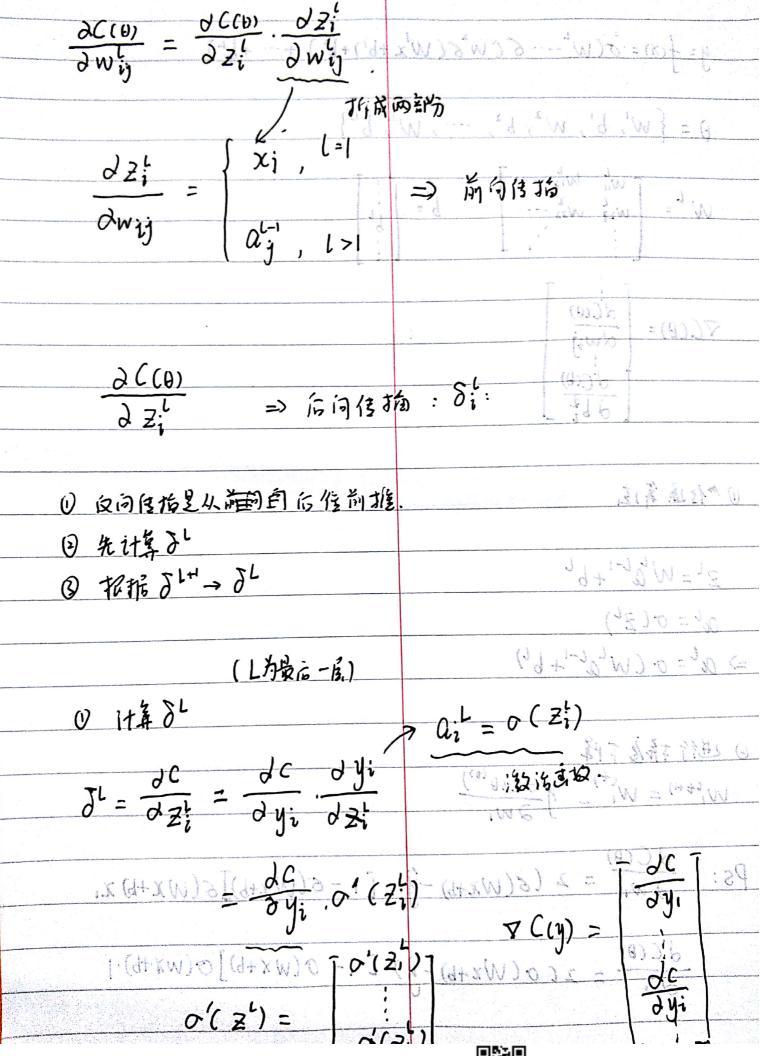
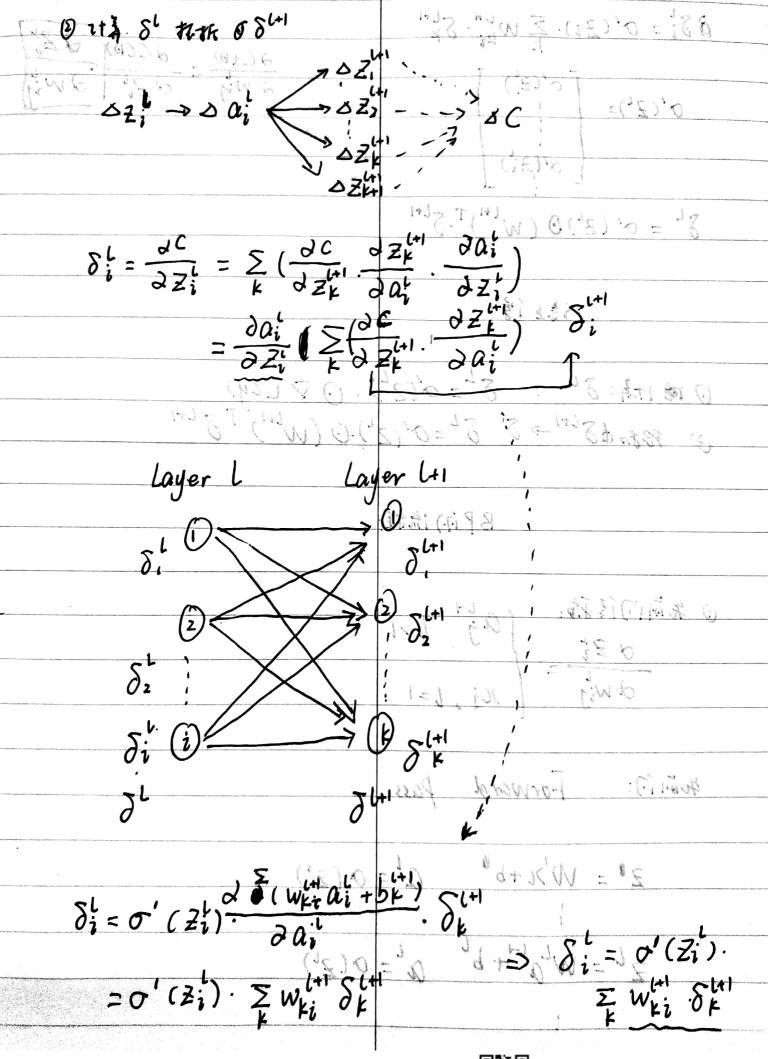
y= f(x)= o(w'--.. 6 (w's(w'x+b')+b;)+...+bL) 0 = {W', b', W2, b2, ..., W, b} VCCD) = dic(0) () 这间目传是从清到自信作前建 10个行通 等注 @ KHE 3" z1 = War1+b1 @ 18 18 30 - 36 al = o(ZL) => al = o (Wa1-1+bl) W(++) = W(+) → dC(B(+)) → DW(--) → DW(---)  $\frac{\partial C(b)}{\partial w_1} = 2 \left( 6(Wx+b) - \hat{y} \right) \cdot \left[ 1 - 6(Wx+b) \right] 6(Wx+b) \chi_1$ 1.C(B) = 200(Mx+b) - 30 [1-0(Mx+b)] O(Mx+b).1

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BSi = 0'(Zi). Zw = Sk+1 0'(21)=  $\delta^{L} = o'(z^{L}) \partial (w^{(+)})^{T} \cdot \delta^{L+1}$ 1等上作者: BP的流程 O 先前约1336. 机前门: Forward 2 = W'>(+b

2 C(D) = Si	
d 2i	
51 = 0'(24) 0 DCCA	
51 = 0'(24) 0 9CCY 51-1 = 0'(Z1-1)0 (W1)	727
@ 2 = 0 (24) 0 (WL+1)	) 5 L+1