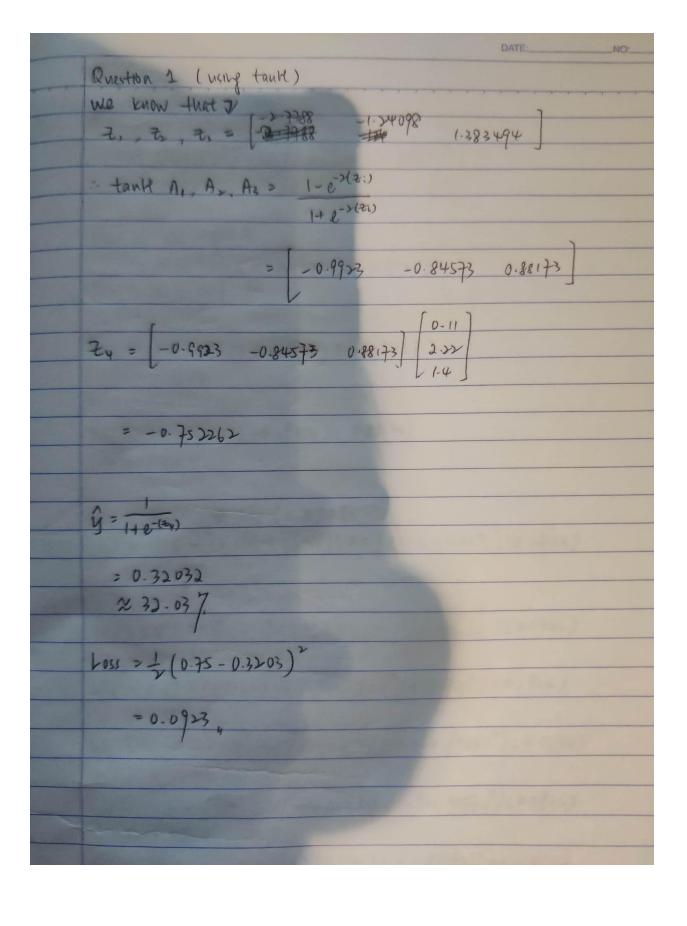
DATE:NO:
Question 1)
Forward Pass
そ、元、元、三 (0·5726 0·5833) [-3·6 1·5 0·99]
= [2-7788 -1-2409 1-3834]
Sigmoid A, Az, Az = [0.0584 0.2242 0.7995]
= [0.0584 0.2542 0.7995] [0-11] = [1-6274]
Sigmoid 9 = 0.8352
283.52]. (Prediction)
Loss = = (0.7x - 0.83xx)
> 0.00362

Backpropagation Pass
8 = (g-Y)(g)(1-g)
=(01835> - 0.75)(0.835>)(1-0.835>)
+0.01177,
Wn = Wn - 78 (A,) = 0.11 - 0.5 (0.0117)(0.0584)
= 0.11 - 6.5 (0.0117)(0.0584)
Wix = 2.22 - 0.5 (0.0117) (0.2242)
>>>186
= 1.4 - 6.5 (0.0117)(0.7998) = 1.3953
$W_{n}^{*} = W_{n} - \eta \delta(W_{N})(A_{n})(1-A_{n})(2n_{n})$ $= -3.5 - (0.5)(0.0117)(0.11)(0.0584)(1-0.0584)(0.5726)$
Win = 1-5 - (0.5)(0.0117) (0.5726)(0.2042)(1-0.2042) (2.20)
- 1.4987 - W\$ = 0.99 - (0.5)(0.017)(0.5726)(0.7995)(1-0.7995)(1-4)
= 0,9892 = -1-23 - (0.5) (0.0117) (0.5833) (0.11) (0.0584) (1-0.0584)
17 = -1.23
Wis = -3.6-(0.5)(0.0117)(0.5833)(2.32)(0.2242)(1-0.2242)
W16 = 1.4 - (0.5) (0.0117) (0.5833) (1.4) (0.7995) (1-0.7995) =1.3992

	DATE:NO:
	Forward Pass (Ind Times)
	t. t. t. = [0.5726 0.5833] [-3.6 1.4987 0.9892]
	= -2.7788 -1.2424 1.3826
	Sigmoid A., Az, Az = [0.6584 0.224 0.724 0.7994]
	Zy = [0.0584 0.224 0.7994] 2.2186 1-3953)
	1-3953)
	= 1.6187
	Sigmoid $\hat{g} = 0.8346$
	≈ 83.467.
	Loss = \(\(\tau \cdot \) \)
1	= 0.00357 u
	:. From 0.00362 to 0.00357, it decrease 0.00005
1	in from 0.00362 16 0 00351, or according



= 1.5169, $W_{13} = 0.99 - (0.5)(-0.09354)(1.4)(1-(0.88173)^{2})(0.5726)$ = 0.9983, $W_{14} = -1.23 - (0.5)(-0.09354)(0.4)(1-(-0.9923)^{2})(0.5833)$ = -1.2299 $W_{15} = -3.6 - (0.5)(-0.09354)(2.22)(1-(-0.8457)^{2})(0.5833)$

= -3.5827 W.6 = 1-4 - (0.5)(-0.09354)(1-4)(1-(0.88173)2)(0.5833) = 1.4085

= 0.9896

W14 = -1.23 - (0.5) (0-01365) (0.11) (0) (0.5833)

W15 = -3.6 - (0.5) (0.01365) (2.22) (0) (0.5(33)

=-3-6

W16=1-4- (0.5) (0.01365) (1.4) (1) (0.5/33) = 1.3944