Calculating the Gradients for the Output Layer Weights - = (z-+) × z (1-z) × outb1  $=(0.5934-0)\times0.5934(1-0.5934)\times0.7020$ Wa = 0.5934 × 0.5934 (0.4066) × 0.7020 = 0.1005 = (0.5934-0) × 0.5934 (1-0.5934) × 0.5841 Wy = 0.5934 × 0.5934(0.4066) × 0.5841 = 0.0836 Wa  $=(0.7353-1)\times0.7353(1-0.7353)\times0.7020$ =-0.2647 x 0.7353 (0.2647) x 0.7020 =-0.0362 = (0.7853+1) x 0.7853 (1-0.7853) x 0.5841 Wx = -0.2647 × 0.7353 (0.2647) × 0.5841 = -0.0301 Gradients for Output Layer Blas Weights, 8= (2-+) z(1-2) = (0.5934-0) × 0.5934 (1-0.5934) = 0.5934 × 0.5934 (0.4066) = 0,1432 = (0.7353-1) x 0.7353 (1-0.7863) bw4 = -0.2647 × 0.7353 (0.2647) = -0.0515