J(w, 6) = 4 5 (X Tw + 6 - (*(X)) 2J(W.b) = 4+2 > X(XTW+b-+*(X)) == = ((x)xx) + (\(\overline{\tex}\) = \(\overline{\tex}\) = \(\overline{\tex}\) $\frac{\partial J(\omega,b)}{\partial b} = \frac{1}{2} \left[\sum (X^T) \omega + b - f^*(X) \right] = 0 \quad (2)$ $= \frac{1}{2} \left(\sum (X^T) \omega + 4b - \sum f^*(X) \right) = 0 \quad (2)$ (2)* EX => = [[SX EXT] W +4(EX) b - EX EXT (X)]= (3)-4(1)=> = (EX EXT - 4 EXXT) W- EXEF(X)+(EXF) TX 44*(X) = ([0]+[0]+[0]+[1])(0+1+1+0) ZXf*(x) = [0] x0+[0] x1+[] x1+[] x0=[] : ZXZf*(x)-4DXf*(x)=2[2]-4[]=0. b=\$(x)- \(\overline{\text{Z}}\text{W}) = \(\overline{\text{L}}\(\overline{\text{L}}\(\overline{\text{L}}\(\overline{\text{L}}\)) = \(\overline{\text{L}}\(\o