Ex (9) Cz(x) =-y.log(6(wx)) + (1-y).log(1-6(wx)) $\frac{1}{-y \cdot log(6(\omega \times))}^{2} = -y \cdot \frac{1}{6(\omega \times)} \cdot 6(\omega \times)(1 - 6(\omega \times)) \cdot 200$ $= -y \cdot (1 - 6(\omega \times)) \cdot 200$ $(1 - y) \cdot log(1 - 6(\omega \times))^{2} = (1 - y) \cdot \frac{1}{1 - 6(\omega \times)} (1 - 6(\omega \times)) \cdot 200$ $(1 - y) \cdot log(1 - 6(\omega \times))^{2} = (1 - y) \cdot \frac{1}{1 - 6(\omega \times)} (1 - 6(\omega \times)) \cdot 200$ =-(1-7) = (wx) - * w $= c'(x) = -y(1 - c(\omega x)) \cdot \omega - (1 - y), = (\omega x) \cdot \omega$ $c''(x) = -y \cdot c(\omega x)(1 - (\omega x)) \cdot (-1) \cdot \omega - (1 - y) \cdot c(\omega x) \cdot (1 - (\omega x)) \cdot \omega$