Problem 2 (cont'd) Otil max [Harss.(xxw)]] Decars when Tw Loss(x), w) =0 = \frac{1}{1\text{W}/2\phi(x)\left(\phi(z))^2-\phi(z)\right)} $= 2\Phi(x)(2\sigma(z)-3(\sigma(z))^2)\frac{\sigma(z)}{Jw}$ $\frac{d\sigma(z)}{dW} = \frac{d\int_{-1}^{1} \frac{1}{1+e^{-z}} \int_{-1}^{1} \frac{dw}{1+e^{-z}} = \frac{dw}{1+e^{-z}} \frac{dw}{1+e^{-z}} = \frac{dw}{1+e^{-z}} \frac{dw}{1+e^{-z}} = \frac{dw}{1+e^{-z$ T(z)-200 (known to be min)

(x)-50 (nult answer) $W - \phi(x) = 2$ or $T(2) = \frac{2}{3}$

1. 1 177