171IT

$$Z_{1} = \mathcal{X}_{1} \cdot w_{1} + \chi_{2}w_{3} = 6.1 \times 0.15 + 0.2 \times 0.25 = 6.015 + 0.05 = 0.065$$

$$h_{1} = \frac{1}{1 + e^{Z_{1}}} = 0.48375571893$$

$$Z_2 = \chi_1 \cdot W_2 + \chi_2 \cdot W_4 = 0. \times 0.2 + 0.2 \times 0.3 = 0.08$$

$$h_2 = \frac{1}{1+e^2} = 0.4800/065984$$

$$\hat{Y} = h_1 \times W5 + h_2 \times W6 = 0.4095070845$$

$$E_{y} = \frac{1}{2} \left(y - \hat{y} \right)^{2} = \frac{1}{2} (0.3 - 0.4695000845) = 0.00599590099$$

OFFIT (Ws)

$$\frac{SEY}{SW5} = \frac{SEY}{SW5} \times \frac{SY}{SW5}$$

$$\frac{SEY}{SY} = \frac{1}{2}(Y - \hat{Y}) \times 2 \times (-1) = (0.3 - 0.469507.845)(-1)$$

$$\frac{64}{\sigma w_5} = h_1 = 0.48375571893$$

$$W_5^{\dagger} = W_5 - X \frac{64}{6W_5} = 0.4 - 0.5 \times 0.4837557/893$$
$$= 0.158122/4053$$

$$w30.25$$
 $w30.25$ $w30.25$ $w40.3$ $w60.45$ $w60.45$

$$\frac{6/1}{6/2} = 1/3(1-1/3) = 0.4837557/893 \times (1-0.4837557/893)$$

$$= 0.249736/2333$$

$$\frac{\partial Z_1}{\partial W_1} = (X_1 \times W_1 + X_2 \cdot W_3)' = X_1 = 0./$$

$$\frac{\partial E_0}{\partial W_1} = 0.4 \times 0.249136/2333 \times 0./ = 0.009989444493$$

$$W_1 = 0.15 - (0.5 \times 0.00998944493) = 0.14500527953$$