Honourk 6

Took Horalos

1 Feature dimonsion: P= 2

2- h1 = 8(151) , 8(5)= 1+e-5

ZE-0-15 40.05 + 0. ZO-D.10+0.35

hi: 0.593

hz= 6(22) , 72= 0.25.005+ 0.830.0.10 +0.353

hz= 0.597

01= 8 (his 0.40+ hz.0.45 +0.60) = 0.7513

Oz= 8 (h. 0.50+ hz. 0.55 +0.60) = 0.7729)

3. Squeed error = $(0.01 - 01)^2 + (0.99 - 02)^2 = 0.597$

Squoed 1200+ (e) = 10.597 = 0.7725

d= (01-02)2+ (02-02)2 4nin) nout)

90 = 30 m. 30, 200 sms

= -2(0, -0) Que (, -0) hu = 0.2770. hu= 0.1643

3y = -2 (01 - 01) 604 (1-6,04) hout = 0.2770. hz = 0.1653

302 = 302 out 302 out 302 lm

 $= -2(0_2 - 0_2^{01}) \hat{O}_2^{01} (1 - \hat{O}_2^{01}) h_3^{01} = -0.0762 h_3 = -0.0452$

 $\frac{\partial f}{\partial w_8} = -2(0_2 - \hat{o}_2^{w}) \hat{o}_2 o w (1 - \hat{o}_2^{o} w) h_2^{o} = -0.0762 \text{ hz}^{w} = -0.0455$

ans = going going grant gring gring gring gring gring

+ of our goin goin ghin ghin gwi

= -2(01-01) 000 (1-000) ws har (1- har) i,

+ (-2 (02-02) 020 (1-0200) w, hout(1-hour) in)

= 0.000877

$$\frac{\partial J}{\partial \omega_{2}} = \frac{\partial O_{2}^{\text{out}}}{\partial h_{1}^{\text{out}}} \cdot \frac{\partial h_{1}^{\text{out}}}{\partial h_{1}^{\text{out}}} \cdot \frac{\partial h_{1}^{\text{out}}}{\partial h_{1}^{\text{out}}} \cdot \frac{\partial h_{1}^{\text{out}}}{\partial h_{2}^{\text{out}}} \cdot \frac{\partial h_{1}^{\text{out}}}{\partial h_{2}^{\text{out}}} \cdot \frac{\partial h_{1}^{\text{out}}}{\partial h_{2}^{\text{out}}} \cdot \frac{\partial h_{2}^{\text{out}}}{\partial h_{2$$