J1 = 01. 1/2 + 61

=) 1/2= 1, (11/2+C1) + 1/1X1+ 1/2 X2+ C2

= A1A2 /2 + A2 &1 + P1X1+ B2X1+ &2

-) y2 (|- a1 a2) = B1 X1 + B2 X2 + (a2 61 + 62)

y2 = - 1 - 9.00 ×1+ - 1-0.00 ×3+ [1-0.00 (02 61+62)]

V2 = 02 l1 + l2 / - 01 M2

(oul 1/2, l1) = Cov (M1 X1+ M2 x2+ V2, l1)

= (ov (V2, e) +0.

11.1 (6) 3 /13 reduced form リュニ Tixi+ Tizyz+も 可視一致性的代話. (大樣本下) (D) 1.11 9, 15 identified (+>1) 1/2 But identified, (0 <1) 11.1 (d) 111 (1) Vi = TIX, + TI2X, + V2 5(T1, TL) - 5 (/2 - T1 x12 - T1 x12) 35 = 25 (1/2 - T(X/2 - T/2 X/3) X/2 = 0 三 5 りょうくに - ガエメバーガルエメバイン =0. 5 /21 X12 = TIJ X12 + TIZ IX13 Y2T

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解聯立可得

$$\hat{\pi}_1 = rac{(\sum x_{1i}^2)(\sum x_{2i}y_{2i}) - (\sum x_{1i}x_{2i})(\sum x_{1i}y_{2i})}{(\sum x_{1i}^2)(\sum x_{2i}^2) - (\sum x_{1i}x_{2i})^2}
onumber \ \hat{\pi}_2 = rac{(\sum x_{2i}^2)(\sum x_{1i}y_{2i}) - (\sum x_{1i}x_{2i})(\sum x_{2i}y_{2i})}{(\sum x_{1i}^2)(\sum x_{2i}^2) - (\sum x_{1i}x_{2i})^2}
onumber \ \hat{\pi}_2$$

$$\hat{\eta} = \frac{1 \times 4 - 0}{1 \times 1 - \delta} = 4$$

