4= xB1 E or Broco = (X'X) X'y face one lee 2 vou Dos : 8E (XX) Beelly ment to lar Brics = 8 = (XX) (BIV-BOLS) yer kest is bosed en ter déference of the appeners = 0 to: Biv - Bou = 0 seen ten Es not exogenenty H1: B1 - Bou 40 HAUSMAN (Brsis-Bois) [Avara (Brsis-Bois)] (Brsis-Bois)

Asymptotic

1,2. Als comerfes on distribution to X'

HAUSULN RESULT FOR THE ASYMPTIC VARIANCE OF THE DIFFEDENCE Gu (Bocs, Bir-Bocs)=0 às ellecement 1 Brow is ellicaent

robust and

is ellicaent

is ellicaent

is ellicaent

is the bost under the

is the bost if is not

is the nost-ellicaent robust under endopreerly turdor 2; ti tud Cou (Bois, Biu-Bois)=0 Ou (Bors, BN) - VOM (Bors) = 0 Cou (Bocs, B.v) = ber (Bors)

Sousine eternat

Alicent esternat

Now AVAR (BISCS-BOCS) = AUAR (BIV)+AVAR (Bos)-2GV (BIV, Bos) = AVAR BIN + AVAR (BOLS) - ZAVAR (BOLS) = AUAR BIV - AUAR (Bors) H=(BIN-BOLS)/[BE(XX)-6E(XX)-1]-(BIN-BOLE) tes quant ty is posture by Gours teather because Bour is elliceast that a hat of B does not douge, the REGRESSION elafeman complate bury to the serie Y= >1 BI + >2 Bz + E estructes in iv ord des x1 = 1, 1, 1 + x2 \ \(\) \ \(\) (me pour som strategy romper) Luclegu n. 2 is estructing the blesway enquestion Y = x1B1+ x2B2+ X y + E ter meridial dismits light