M4214 Lecture 04 met if we simples are NOT INVERENT? Two Suple Infrance : CI and HI The work of "primal cleater" F. stustic metched - per study. Ecomple: += S. 1.41)2 = 3.06 Be once of the mothemetral assurptions behind the scene! Te tableted whe of Favor : 2.7559 Ju 20. 151 elf. Pavel t tat Rejet the youl carble that the voices are egul. ne are about the differences between the Senting and centing states. t: <u>D-V</u> <u>S»</u> <u>Jn</u> Sul suple eves: New Method Student Method Villences . Wholly cla-thotal x Y D: x-Y · Ivolgredent · Vienes Ju tu grups de equil. use the F-test. Certions populations. · Cuping new Ho who be the views are equal. . Compring population properties Ho with be the vines are megul. F-Statetic : men (V. vs.) Exemple .7: we on he a "Certinguay table" Reject it if 7 > Forms Puputus: ji (men) Degree of Junton: (N-1. Ne-1) (21-1. 16-1) pr (momen) = (20, 15) Ha: p-p2 >0 If the vines are not equal. use the Welth's t-test. Z= 13. - ps. A = (1000 = 0.00) 12 = 1000 = 0.023 p. . x. , p. . x. \$ = X+x2 \$ = \frac{52+23}{1000+1000} = 0.0375 porded properties Z: 3.41

p-value = P Z>3.41) = 0 the can be seen it's less than

