N 6 N = 200 m, =10 A1 - ne Sover 1 = 0,05 Az-Soven 1 rus m2 = 131 n = 2 Mz = a Az - Sover 2 puza 10: P(m) = C, m pmgnm = C2 pm (1-p)2+m P(A) = C2 . P°(1-P)2 . (1-P)2 . p1 P(A2) = (1.p1.(1-p) = 2p(1-p) = p2 P(A3) = C2.p2-(1-p)0=p2-p3 L (0) = P1 . P21. p3 = 2181. p195 (1-p)201 L -> max: In L - = max: 18-1 ln2 + 194 lnp + 201 ln (1-p) 3/n L = 199 201 = 0 = 1 p = 100 $\frac{\partial^{2} \ln L}{\partial p^{2}} = \frac{199}{p^{2}} - \frac{201}{(1-p)^{2}} < 0 \ge 2 \mod x$ N > 60 , N > ; > 5 -> 2 + 2 (N > ; -mi) 2 ... (8) (2) 32, 48 + 65, 62 + 33, 14 = 131, 24 p-value = P (= = = 100) = JP 2 (3-1-1) dx < 10 = < 0,05 = 3 unoueza No combepiamas

No! de sabac passiera on Nomme n, = wo My : No (ecus sobu eurocure) N2 2 100 zamm. morn. zabowi. 25 50 25 52 41 77 91 nipi: J 38,5 45,5 16 1 32,5 45,5 16 n; > 50; n;p; > 5 = 2 $\Delta = \Delta_1 + \Delta_2 = \left(\frac{(38,5-25)^2}{58,5} + \frac{(45,5-50)^2}{45,5} + \frac{(16-25)^2}{16}\right) + \frac{1}{16}$ + ((36,5-51)², (45,5-41)², (16-4)²) A. 4,73 +0,45 +5,06 +4,73 +0,45 +5,06 = 2046 D V X ((u-1)(m-1)) = X ((3-1)(2-1)) = X (2)

p - value = P (A > & U_0) = \ P x^2(2) dx & 0,00036 < d 2> umberner 40

BRAUBERG

N 8 n, - 300 , n2 = 500) d = 0,05 No : no mo me ocyna no good U1: No P1 = 600 2 4 33 42 80 144 I 39 35 72 154 p2 = 600 68 2 600 Buro 72 73 152 293 12 2 6 00 njpi: 36 39 76 149 36 39 76 149 $n_{j} \ge 50$, $n_{j} p_{i} \ge 5$ ≥ 2 $\Delta^{2} \ge 1 + \Delta_{2} \ge \frac{(36 - 33)^{2}}{36} + 0.07$ (149-154)2 22,08 DN X2 ((u-1)(m-1)) = X2(3) p-yalue = P(D > 2 | 40) 2 SP2 (3) d x = 0, 5 5 6 p-value > 2 => nem ocros. combers. No BRAUBERG

2 3 4 4 5 8 6 12 14 18 11 6 13 mi n = 100 ; 2 = 0,05 a) No: 3~ K(0, 4); N1: No p 2 0,1 2 16,4 5 N 22 (10-1) = 22 (15) no nevyeure p-value = P(D≥ Ω/No)= β Pχ²(9) d x = 0,05896> d

=> ven συνδωνικί σωθεργη. Vo Mpumepuni Nomes republia = 5n' max | =(x) - F(x) | N k(x) K(x) = P(& < x) = 1+2 = (1) = -2 = x2 (0; +00) Δ = 5n max (nax (1\vec{F}(xi-0)-F(xi)),

i=1..n

F(xi+0) - F(xi))) € 21,43 p-value = P(D=2/10)=1-P(2 < x)= = 1 - (1 + 2 \(\frac{1}{5} \) (-1) \(\frac{1}{5} \) \(\frac{1} \) \(\frac{1} \) \(\frac{1}{5} \) \(\frac{1}{5} \) => Only rain 10 BRAUBERG

No: eg ~ N (M 62) - cmm as N (M, 62) = 6 JART e (x-M)2 L(M, 62) = 17 p(xi, M, 8) -> max => >> (M > 4, 79 6 = 2, 7 (neo mano 6ask 9 - ms. i pyn 6 $A = \frac{1}{2} \frac{(m_1 - np_1)^2}{np_1^2}$ DN 22 (m-1-5) = 2 (w-1-2) = 22 (9) p-value = p(4 > 5 | No) = 5 Px2(+) dx = 0, 11 > x = > -> lem veneb. oulseps. No Wrum. Mann. u 600+ strup N = 10'000; D = 0, 6; K = 952: p-value = 0, 8043 > d 2 > nem vemel. onlyn. Ho