9, = 5,75; 92 = 8,05 d) Acamsorma: G(0) = J J10 6-0 5m ~ N(0,1) 5 ULB < (6-0) 5-1 < ULTA 10 - dez dareznu n = 200 moyer: 181 - Oguoryusto 9 - gbynnaro B1 (2) ; m=2

0, = 200 ; Pi = 200 ; P3 = 200 B (m=2) => PB = Cxpx (1-p)2-x; Cx = n. 01 = (1-p)2; P2 = 2 P(1-p), P3 = p2 [(2p(1-p)) = (1-p) = (1-p) (2p(1-p)) | p = (1-p) (2p(1-p)) | WHIP EXCHALENTATES -> max L(p) = (1-p) = (1-p) = 201 In L(p) = 181 lin 2 + 199 lin p + 201 lin (1-p) $\frac{\int \ln L}{\int \rho} = 0 + \frac{199}{\rho} - \frac{201}{1-\rho} = 0$ $\frac{199 - 1999 - 2010}{\rho(1-\rho)} = 0$ $\frac{199 - 4000}{\rho} = 0$ $\frac{199}{\rho} = \frac{199}{400}$ Curren genery: $D = \sum_{i=1}^{32} (m_i m_i - 200 \cdot tp.(0))^2$ $0 = \frac{\left(10 - 200 \left(1 - \frac{199}{100}\right)^2}{200 \left(1 - \frac{199}{100}\right)^2} + \frac{\left(181 - 200 \cdot 2 \cdot \frac{199}{100}\right)^2}{200 \cdot 2 \cdot \frac{199}{100} \cdot \frac{201}{100}} + \frac{19 - \left(\frac{199}{100}\right)^2}{200 \cdot 2 \cdot \frac{199}{100} \cdot \frac{201}{100}}$

= \(\langle \ 11 = 131,23 2 131 1/2 0-x2(5) = 22(m-1-5) = 22(3-1) = 24 p-value = P(s > 3/Ho) = 5 2500 x°e 2 dx. $= \int_{-2}^{2} \frac{1}{2} e^{-\frac{x}{2}} dx = 3,58 \cdot 10^{-29} < < 0,05 = >$ No orbepress Ho: OHU Regulature h = 100 gestures : Hi: Ho P1 = \$00 ; P2 = 200; P3 = 200 1: = \(\frac{\left(n_{ij} - n_{i} \rho_{j}\right)^{2}}{n_{i} \rho_{j}} \) $\Delta 1 = \frac{(25 - 100 \cdot \frac{77}{200})^2}{100 \cdot \frac{77}{200}} = \frac{(50 - 100 \cdot \frac{91}{200})^2}{100 \cdot \frac{91}{200}} = \frac{(25 - 100)0}{200}$

(25 - 32)2 + (50 - 21)2 + (25 - 76)2 = 10,211 (52-100 2)2 + (41-21)2 + (7-16)2 = 10,241 1=20, 42482 no 22 ((3-1)(2-1)) = 22 (2) p-value = P (0 7 8 /Ho) = S 25(11) x e 2 dx = 20,482 = 0,000 0356 = 3,56 10 5 < No orlegnacu 2 3 4 5 33 43 80 144 2 norm 39 35 72 154 lo: moraga ognopaynou + 1144-149) = 8284 1,03857

Dz + (39-30) + (31-39) + (72-76) + (154) = 1,038 1 = 3,076 ~ 21(3) 1 = 3,076 ~ 21(3) TX'e do = 2 = 5(3) TX'e = 50 / Jx e dx = 0,5567 >> 0,05 =2,076 Jet Jx e dx = 0,5567 >> 0,05 =3 He Orbertous Ho 0 1 2 3 4 5 6 7 8 9 I 5 8 6 6 12 14 18 11 6 13 7 a) Muckeyur Ho: 3 2 1R; 11: 11. ph/1000 00000 0 + 10 1 = 10 | 2 + + + (7 - 10) = 2,5 + 0,4 + 1,6 + 0,9 + 0,9 = 16,94

, 0,0589 > 0,05 - HET OCHOBANO OSBERNINA HO Kamowpoli J= Jil sup / Fix - Fixx) - R(x) 1 max [1 F(x, -0) - F(x,)], 1 F(x, +0) - F(x,)] = custing & Python 8=1,59 = 1,6 0-value = 1-(8+22(-0)ne-2n2) = 0,0119522 20,012 < 0,05 - No orbepenerce. -) разные результити, но 0,0589 обые очене висупь и таку кооби быт отверищении. Tam du 0 2 = 0,01 = s cole ohe nogsdegames ne deux du ocus beun orbeproyet le).

o) No. 3~ N(a, d2); H. W. $N = \rho(x) = \sqrt{27'6} \exp\left(-\frac{(x-a)^2}{26^2}\right)$ pi-Spadx pio 25 paidx L = p, - pro - max = \(\bar{a} = 4,81 \) \(\bar{d} = 2,64 \) \(\bar{a} = \bar{a},64 \) \(\bar{a} = \bar{a},82 \) 1 ~ 22 (10 -2-1) = 22 (7) P (325/No) = \$ 2 = 1 (2) x = 2 dx = 0,139 24 - nes ocuo bais ortenia Rownord. 2=0,862 P-value = 0,993M > 2-Her conolar ortegina