6#4 VIM : 61401201001 UTS Metode sinner den resompling 1) Membay britten 2000 bilongen acak serayan denyin Ko = 89; a=1577, 5=93, da m=105 Adopin longhah longhonga: 1=) Inisiasi nila: xo. yartu, xo= ag 2) Inisiasi nilai a, b, don m, ya-h a=1877, b=93, dnn m=105 3.7 menghi try bilonyen acar seragam deggan runns n 7,0, U1=Xi ~ U(0,1) 4.) Urai ka Perhitiyon: X1 = (1577) X0 X1 = (1577) X0 + 93 mod 105 X,= (1577 X 89 +93 Xmod 105) XI= 40445 - P (1= 40465 = 0, 40446 X'2= (1577 x1)+93 (mod 10°) = ((1577 × 40446) + 93) mod/of = 83435 - 10 K2 = 83435 = 0,03435 0, 83435 idst idst maka unter X2000 adalah X2000 = (1577) X1999 +93 (mod 105) dergan U2000 = X2000 2.) Run Test - o un tul memeritisa tre a couran bilogen hasir boyunnan, 1.) Hipotesis: Ho & Bilangon hask bang kitten berkitet acar HI: Bilayen hager barg inten tracer burgerest acqu Statistic. Usi: r = banyarrya total rangharan = banyarrya rutin Doerah works: Tolay Ho sive r < fi atar > f2, Table F1 = nilar botas terbeser unter menocar Ho tob u P1 = nilai betes terbeser unter menocar Ho. 2) membrat runten der bilayan harsil baylısan 3.) merghiting borgeringe runtion yang terbentur kor

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(1.) mencorinira tobel fi don fr Mahesa Ahmad Rahmawan () members beginned a melani doeron britis 51401201001 6) si tra Utver Sompet beser, bisa di detroti derya sebaen normal Zne r- E[(2n,n2)/(n,+n2)]+1] ~ N(0,1)  $\int \frac{2n_{1}n_{2}(2n_{1}n_{2}-n_{1}-n_{2})}{(n_{1}+n_{2})^{2}(n_{1}+n_{2}-1)}$ Tolar Ho Jiha [Zl=Zx/2 3.) Ui 20 (1(0,1) N= Eisl Ui-A~NC3, 1) dike A don B sebeson 7. daves: V(N)=V(GB, U; -A) 0 5 (N)= 5 (Ei= Ui-A) = EBV(ui)-ELN) = Ei = E(U)-A E(N) =  $\frac{13}{2}$  -A = M= B = 62 E(N) = 12 -A = 3 Var (N) = B = 62 A = 12 -3 = B=12 (62)

B=12 B=12

4.) long hah - lang hah Pemborg biton bilengen alah bernaur (0.5) dar bilangan acan yang menyeber normer (0,1);

11) membonghithon bilangen about normal (0,1), XINN (0,1)

2) membrat Fungs: humulatif dar seborense for(x) => bernitor diantona osampar, osfr(x) <1, bethe osxsi

01 B= 12(1)

Jiha XSP, mara B=1 Jiha XSP, mara B=6 mara B~ Bernovii (P=0.5)