Bapuaken II 2) Berneum ( cos (4/x) dx J 105 84 (A) dx = = Tegenealise u=la(x) => du=====>] = ] e u cos (u) du unalique glanege L Stg' = fg - St'g = [1 f = cos(u) 8' e - u 7 e 2 f'=(-sin(u)) 8=-e-u = fe-usin(u)du-eos) = 21 f=t-sin(4) g'=-e-4 7 f'=-cos(4) g=e-4 =

-e-4cos(4) - (-e-4 sig(4) - ) - e-4cos(4)d4) = = ee-4cos(u) - (-e-4 sin(u) + [e-4cos(u)du) Можеко замениния чиго наш интиули спово повнорител снова в правой касти вирамения => ми менени решинь уравнение по 1 e-4 cos(4) du = e-45/4(4) -1-408(4) Thereps geralu objecting govern 3/4(ln(x)) \_ cos(ln(x)) + C = ) siullu(x)) - los(lo(x)) = six (lu(en)) - cos(lu(eig) - six (la(x)) - cos(lu(x)) = 

5) Berucuemo c morteacublo go 1/10 1 x singer dx = 5" (xe-treinlick))dxe интерируем по частим Jf9' = +5-JA f=x g'= e-ersin(fix) - Tie-excostrix = x(-2e-t-sin(nx) - ne-treos(nx)) - 5 -2 = LA SINITES) - TRE-EX COSTRAL dx Though borrucalled unerpail J-Let Sinthe - Til- to costiex) tx Typewend en dukenkoeme Transplus - 1 persintende - The lectositions

Bureachilde : fe-ex sin (Fix) dx = Deasings unnergulaged To rainish = e-ir sin (Tix) - (Tie-er costicx) + Til gersiul Rx)dx = (lexoguei unmerpad nobuspalmed => -2e-Ex sin (Tix) - Tie -Excos(Tix) TEC + 4 Thenexis executable fe-costralds Дванеды иншерируем по жастили T tous (Text g'= e-Lx - (Tie sintan) As

closure - ( ne contics) = [ f = (-icsin (ics) 3 = - P = ] = = [ f'=-ic costics] 3 = 0-10 =-e-costier-(- The gintles + " le le costone Mercogue uninequal nolocopamia poucoen yealuren Tro Se cortante - Tre- sintra - le enstir

Trogundlene your borrussenere winesports - TILTY Se sin (Tix/dx - Tity fe trostin) dx = TI (TIR To Sing (TIL) - 1 P to enstant) - 21-10-12 SIMITEN - FLE COSTINI) (912+4/2 Пассинавия в шавик интеграл 7(-1.e-to sin(in) - The-to ens(in) - ]-le-trinks - The works - Tillie sintical - Le Gostivi) + trict418 + Al-Le-to sinthal - The costant) + 21-18 - Craintral - Fee to cos(FEA)] = = e-coll 81 11/4/1 - 11/4/ 3/4/ # 11/1/14/x+4/ 608/1X)  $\frac{16^{2} + (1)}{2} = \frac{16^{2} + (1)}{2 + 60^{14} + 80^{11} + 160^{14}} = \frac{10 \pi^{3} + 40}{2 \pi^{14} + 80^{11} + 160^{14}} + \frac{10 \pi^{3} + 40}{10 \pi^{14} + 160^{14}} = \frac{10 \pi^{3} + 40}{10 \pi^{14} + 160^{1$