Donacaus pASOTA IN Conomyrob d.C. D893-15-1 x 4(x) = x 4(x) [x]xx1 = x S(x-x') 1) [x]pp'-? 1 + 3 pp = 2 Spx Axx Sxp = 2 Spx + Sxp , 48 Skp1 = 2 x/P'S = 1 et -MATRICH repensys 15 Spx = 1xp = 6px = 2 / p/k = 2 / x/p = 1 e = 1xp 1 8) pp = 1 & e + e + x = / / e + (P-P) d+ & 25 Th 2 tok dx odk 2 dx leik(P'-P)dx x to 1 5 (x) = 1 dK e Kx ik VOIGH, 3 MARE S(x) 4 ApresipAsys (Hospital ero MA i), sony home -15 (x) = (dk e kx Подствин б-сруккум с аргупином (p-p) в 1×3p. [2] = - it 8 (p-e) = - it & 8 (p-e) = it & 8 (p-e)

2) Kap-? 1 12 Spp. a(p) dp'= / it of 5(p-p)a(p')dp'= 2 it 4 1 8 (P.P') a (P') de 2 it da (e) 1) $f(b) = x^2$ [-1;1] f(i) = f(-i); $e^{ikn} = e^{ikn} = 2$ $e^{2ikn} = 1$ $\frac{1}{4k^2} = \frac{1}{2} \int x^2 e^{-i\pi nx} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx} \int_{\mathbb{R}} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 e^{-i\pi nx}}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 u_2 x^2}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 u_2 x^2}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 u_2 x^2}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 u_2 x^2}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{dv_2 u_2 x^2}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{u_2 x^2}{u_2 x^2} \left| \frac{u_2 x^2}{u_2 x^2} \right| \frac{u_2$ 2 1 (+2 e i h x / 2 - i h x / 2 - i h x d z d x 2 d x = in (e-150 - einn) + 1 (x e-150+ /1 + 1 / e-150 de MIT I Bomasygnone spopmynosi:

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70 yet 6 3 for \ \ \tau \ \frac{2}{3} \ \frac{2}{3} \ \frac{1}{3} \ \frac{1}{3} \ \frac{1}{3} \ \frac{2}{3} \ \frac{1}{3} \ \ 1 3 13 [-] 1-1 1

2) { -? $f(x)=x^2$ ungo hop cynomes + (-1) , A mayacir pery ronaut mu f(z): S(1) = 1 = 2 + 2 2 1 = > 2 / 2 2 1 = 2 / 6/ 14(x) 2 - 28(x) [M(x)5pp = 2/5) for M(x) Syp = 15 M(x) en (p'-P) = 2 \$ \langle \l 1) $V(b)^{2} + ia$, a > 0 $\int (4)^{4} dx^{2} dx^{2} \int \frac{dt}{t^{2} + a^{2}} dt = A^{2} \int \frac{d}{a} arcy \frac{t}{a} \Big|_{b}^{+\infty} = a^{2} \int \frac{d}{a} dt$ 2> A= A= A= \(\frac{a}{\pi} \)

4) 2 p> = 2 4 | p | 4 > = | 4 th / p reg d x = 2 Su(x) (-it dx + (x) do zit a fin 2 dx -= ih = [(402 (x+ih) + 1 / 20(x+ih) 2 - 402 (x-ib)) dry = it (26 (x+ia) - Calix-ial) - i 1/2 ot in -t orber: - to (Automotive or other 2) Wp= |ap|2 APL 4(4)= < 1/4> = \(\frac{2}{4} \rightarrow \frac{2}{4} March U(1) 4(0) 2 U(6) 4(6) 117 ST. 1 UJpp = 15 Jpx M(b) to Stip = = = ((6) € # (P'-P). $= \frac{1}{2} (10) e^{\frac{i \cdot v}{H}} (pl-p) \frac{dv}{dv}$ $= \frac{1}{2} (10) e^{\frac{i \cdot v}{H}} (pl-p) \frac{dv}{dv}$ $= \frac{1}{2} \frac{10}{2} \frac{1}{2} \frac{1}{$ -In i(e-p) et (p-p) dx = Ti(e-p) Seik(p-p) dk. -2 - it (e'-e) 8(e'-p) = e-?

12 ile +12 h 4(x) 2 /11(x,x') 4(x') dx' 2/12 00 + +24(0))2 2 /H, (0, x') W(x') + /H2 (x,x') W(d) dol A Ja 11.(x,x') w(x') dx' = \land 1 0x 10 C6-by (flx) 5 (1) (0-4) dx = (-1) 1 (a) rough 1 hi 2 (5(x'-x) 4(0') db' 2 24(6) J No (x/-x) 4(0') d2' 2 24(6)

J No (x/-x) 4(0') d6' 2 2 24(0) 2 / 42 8(x/-x) 4(6') - W = 1 44(5) = 1 44(5) - W = 1 A4 = 10 4/6 = 12 + ++24