

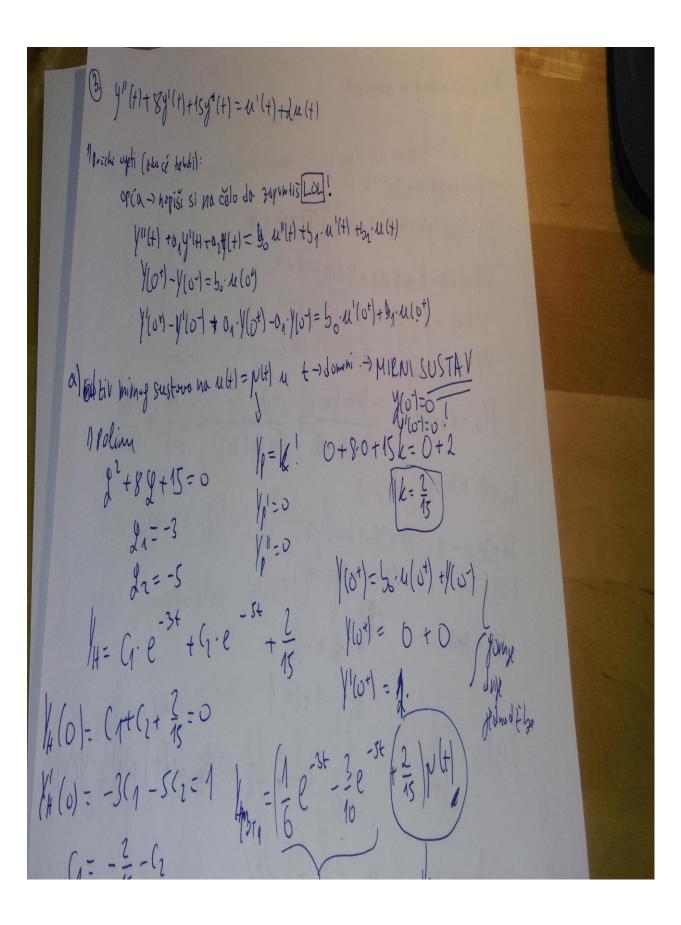
1 = 1 S [f(H) 2 of - 1 S f(H), f(H) + It = 1 S f(H) (\(\hat{\mathbb{E}} \) \frac{\frac{1}{2}}{4} \\ \hat{\text{1}} \\ \frac{1}{4} \\ \hat{\text{1}} \\ \hat{ (Snoto, P= 1 5 (441) olt = 1 5 25 dt = 25 . 4= 50 = 16,66667 a) generalization (TFT -> in FORMULE, Naja fin & LOW vect hisam siguran, ali flor rect (=) 0 - T. SIM (WI)

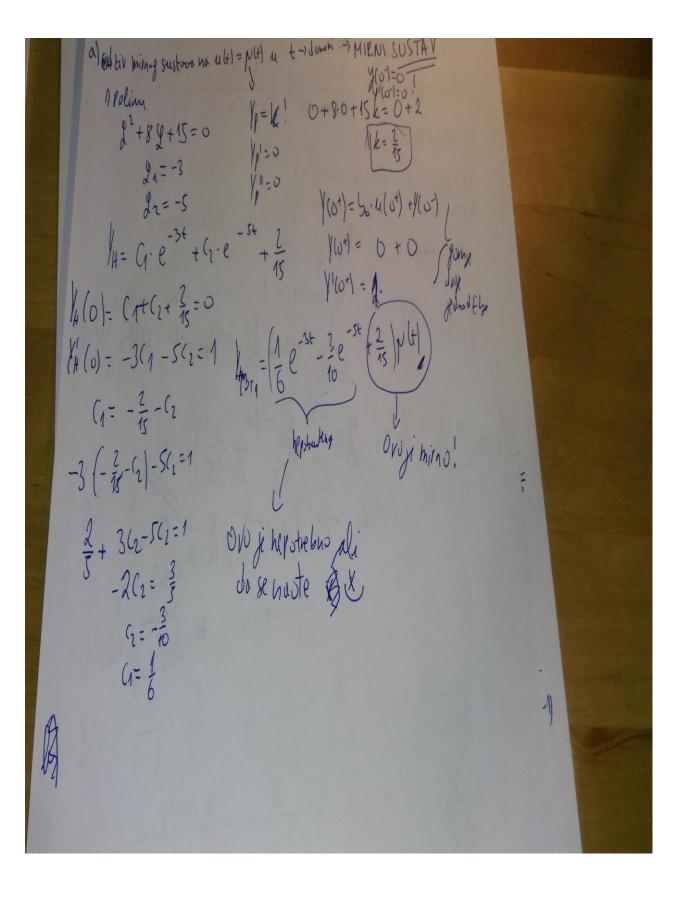
11) - 4. SIN (4007++ 7) - \$(0) (8007++ 8) }= 300 Hz \$ W= 25f= 25 of gm=2 $f(nT_5) = 2 \sinh[4000Ti \cdot \frac{1}{200}h + \frac{\pi}{2}] - 2\cos\left(\frac{800\pi}{300}h + \frac{\pi}{2}\right)$ $T = \frac{1}{3} = N = \frac{1}{300}$ P(N = 2 Sin(4] n+ 1) - 4 (05 (87 h+ 1) / 6 50 both ??? & DTFS 25th (\$\frac{1}{3}\hr\frac{1}{6}) = 2. (\frac{1}{2}\frac{1}{2}\frac{1}{6}\frac{1}{3}\hr\frac{1}{6}\ - C J Th - j T 3 - j Th - j T 3

4005 (811 ht 18) = \$1.1.1 (811) - 18 + e - 13/1 - 18 = - 18/1 - 1 87h = 27 for the 47 $N_1 = \frac{27}{40} = \frac{27}{40/3} = \frac{2}{2} = \frac{2}{3} = \frac{2}{3$ $| \frac{1}{1} = \frac{1}{3} = \frac{$ 12=20 8) K-1= 2 e - 18j

(3) Nuemenski obelik aluje Heste interpolition 11](+1= 2·sin(400 11++ 2) -4 cos(800 11++ 11) 15= 200Hz | = 21/3 | = 27/3 = 4907 - 200 Hz helwencja ozitowaje nije Zx weću w hojvece prebrencje Enjeniod jedne? a) 1 2514 (400T++ { = >2 sin (47 n+ }) = 2 sin (47 n+ 7+26 in) -7(4) + 24/ (# 7 26/-0,16667) = 100+ -1(4) + 24/ (# 7 6/-0,16667) = 100+ -1(4) + 24/ (# 7 6/-0,16667) = 100+ > 2h>-1-4=> 42-76(-1,6667) 25/h(45/n+2Th+1/=2sih(-27/h+1/)

21+1 = 2 sin(-13/4 =) - 4(05 23/4 =] = 251 / 27.300 (+ 15) - 40 05 (25.300.++ 18) = 2sih(-2001++1/6) -4 cos (200++1/8)





Y(n) - = y(n+1) = u(n)+2u(n-1) al Impalson of ZIV a volunty donem. Apozvýcti sa renda! A) at hip studend he Althought) 1111. n = 4(n) - u(n) - 2u(n-1) 10-1= -1 11-10-1= 1 /11(1+84'(+)+154(+)= 0 S2Y-54(0)-4(0) + 8(5Y-4(0)) + 15Y=0 # 524-5-611-1+8-54-8-11+0/-0 5745-1+854+8+15/=0 Sty + 854 +154 = -7-5 /(52+85+18) = -7-5 = -7-5. = A B 52+85+8 = (St3) (5+5) = S+3 + (S+5) As +135 + JA +38 = -7-5

JA +315 = -1

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JA +315 = -1

$$||f(s|+8s+0s)|| = \frac{-2+-5}{5^{1}+8s+6} = \frac{-1+-5}{(5+7)} = \frac{-1+-5}{5+5} + \frac{1}{(5+5)}$$

$$||A_5+0_5+5|| + 138 = -7-5$$

$$||A_5+0_5+5|$$

Y(n) - = y(n+1) = u(n) +2u(n-1) al Impulsar a der a remento domeni. Apaz vijeti sa mula: yh - 1 ph-1 = 0 /h(n)= (1)h. C = 1/h-u/n-2u/n-12 2-1 /(n)= u(n)+2u(n-1)+1=1(n-1) /(n/- 8cn/ +28(n-1)+ / y(n-1) V(0) = S(0)+ 2S(-1) + \$1(-1) = 1 1+0+011 /(v)=/(b)=(-(1))=(-(1))=(=1) h(n) je impolnistriv h(n)=(3), p(n) A pigla-sm Juneyi Sustana V-12-1-1 = 1860 N + 2.2-1U

$$||A|| = \frac{1}{\sqrt{1 - \frac{1}{5}}} = \frac{1}{\sqrt{1 + \frac$$

(5) Ylt1= St+1 a linemyt; jvenensku hepvorgègjivost 1/1 = Saun (4) dt

/2(+) = Saun (4) dt Venergh hepwygr.

Verence nepayar. Until= uti-m)

// (t) = \(\frac{t+1}{u(\tau) d^2} = \frac{u(\tau-m) d^2}{u(\tau-m) d^2} \)

// (t-m) = \(\frac{u(\tau) d^2}{u(\tau) d^2} \) Dimpulsai odtiv + karusalnost C) priznosna junkcije Mf-1 3 e = {

al helbren bur i oden ult) = 2 sin (Itt I) H(yw): eiw-e-dw yw = 2 / Sih w = 2 · Sih w 4/+1= 2sh (TT++ 7) -> W= T Phys H(j. T) = 2. Sih T = 0 14=0,