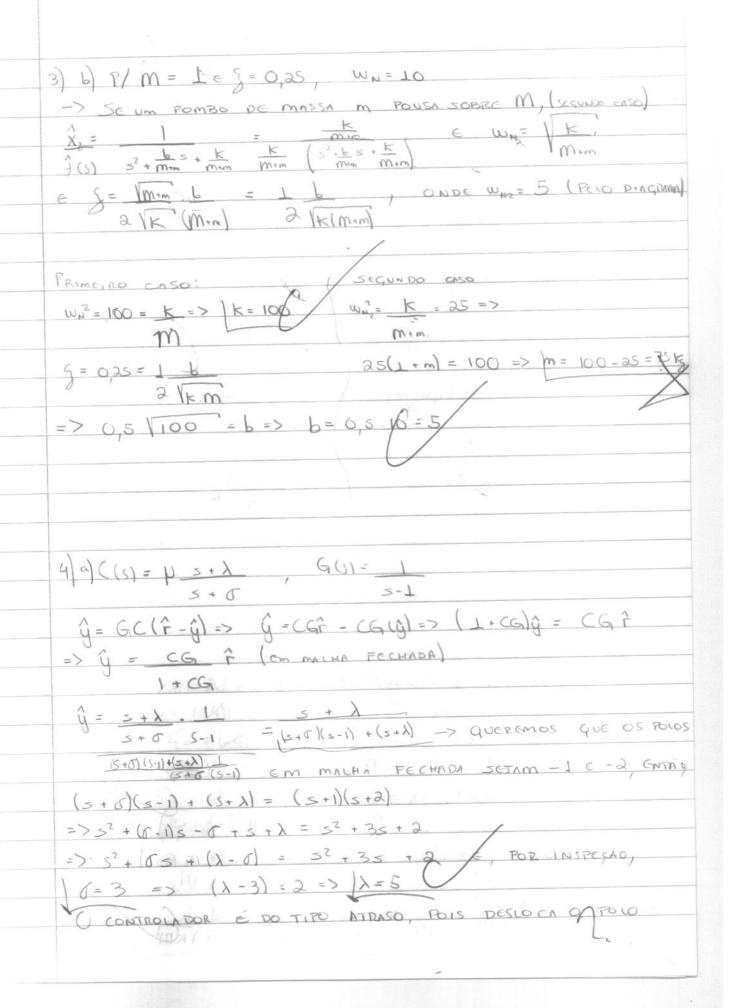


1) b) (continuado) 2 + 1 + 1 + 1 = 3 - 2 - 2 $(5+2)^{2} (5+3)^{3} (5+3)^{3}$ E PELA DISCUSSAC ANTERIOR, SABOMOS QUE. T = 81 - 24 - 8 = 492) Y[K+2]+y[K+1)-&y[K]=-4(1)K, y[0]=1 POR TRANSFORMADA Z: Z'y[k+1]] = Zŷ[K] - Zy[O] Z'ŷ - Z'y[O] - ZY[Î] + Zŷ - Zy[O] - 6ŷ = -4 Z Z-1 $(z^2 + z - 6)\hat{y} = -4z + z^2 + z$ => (Z+3)(Z-2) g=-42 + Z2 + Z (Z-1)(Z+3)(Z-2) (Z+3)(Z-2) (Z+3)(Z-2) 9(2) 9(2) 9(2) 9 (7) = -4 = A1(Z+3)(Z-2) + B(Z-1)(Z-2) + C(Z-1)(Z+3) (Z-1)(Z+3)(Z-2) (Z-1)(Z+3)(Z-2) Z=11=> - 4= A(A)-1) => A= 11 = 5/5 2=-3 => 4= B/91(-5) => B=-1/5 7=2=7-4= (5 => C=-4/5 42(7) = Z = A(7-2) + B(7+3) (Z+3)(Z-2) Z=2=> 2= B.5=> B= 3/5 Z=-3=> -3 = A (-5) => A= 3/5

2) a) (conjugac)
43(3) = A(2-2) + B(7+3) = 1
(Z+3)(Z-2) (Z+3)(Z-2)
$2=-3$ $\rightarrow \Delta(-5)=1$ $\rightarrow \Delta=-1/c$
$Z = 2 \Rightarrow B(s) = 1 \Rightarrow B = 1/s$
Curac de molto
ŷ = 5 1 - 1 1 - 4 1 + 3 11 + 2 1 - 1 1 1 1
2 5 (2-1) 5 (2-3) 5 (2-2) 5 (2-3) 5 (2-2) 5 (2-2)
Q = Z + 1 Z - 1 Z = 1 + 1 - 1 19/5/21.
$G = \frac{2}{2} + \frac{1}{2} - \frac{1}{2} - \frac{1}{2} = \frac{1}{2} - \frac{1}{2} - \frac{1}{2} = \frac{1}{2} - $
FINAMONE, YEK] = 7-1/97-1-11-58-1(2) K + CN
5 5
b) DA REFINICAC DE TRANSFORMADA Z, TEMOS QUE
Z y [F] = Z y [K] Z , POR INSPOSÍO, OBSERVAS QUE:
S = 2 y [k] (1/4) = - 2 y [k] = 4 + 4 - 4 = 4 + 4 + 4 - 4 = 4 + 4 + 4 + 4 = 4 + 4 + 4 = 4 + 4 = 4 = 4 + 4 = 4 = 4 + 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 =
F=0 Z=4, 3 5.(7) 5(2)
Large The second second
A CANADA CONTRACTOR OF THE PROPERTY OF THE PRO
11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
CALL FRANCE CONTRACTOR OF THE SECOND CONTRACTO
3) $M\ddot{x} \leftrightarrow b\ddot{x} M$ $\Rightarrow b\ddot{x} + b\ddot{x} + b\ddot{x} = \dot{y}(t)$
1×
$a = \frac{1}{2} + $
m m m
$= \left(\int_{0}^{2} + \frac{b}{m} + \frac{k}{m} \right) \hat{\chi} = \hat{A}(S) = \sum_{k=1}^{\infty} \hat{\lambda} = \frac{k}{m}$
m 7(9) m(3+ = + = m + (5+ = + + +)
Peur FORMA PADRÃO K. W. W. W. K => W. M. K
3+28 ww + Wa2 M
E 2 E / E = b => E = 1 b / M = 1 b /
am/kil alkm



PARA TRAS NO CIXO REAL 4) 6) (4) = 5+5 (p(z)=(1-z-1) 2 | 5-1 | ((s)) | = KT 5+5 = A(5+3) + Bs = 5 + A = 5 + B = -2 5(5+3) + S = (5+3) + Bs = 5 + A = 5 + B = -2 $F(s) = \frac{10}{5} \frac{13}{(s^2 + 14s + 53)} = \frac{10 \cdot 13}{(s^2 + 14s^2 + 53s + 130)}$ $5(5^{7}+145+53) + 10 . 13$ $5(5^{7}+145+53)$ PARA UMA CUTRADA FILL CONSIDERADO 8 -- 10 7010 DOMINANCE, tel- - lu(8) = 4 =0,45 5 10