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B) Av Has) #1

ess = lim \( \hat{e} \) (t) \( \frac{1}{3} - \lim \) \( \frac{1}{5} \hat{E} \) (s) \( \frac{1}{5} - \lim \) \( \frac{1}{5} \hat{E} \) (s) \( \frac{1}{5} - \lim \) \( \frac{1}{5} - \
       Mn Exiguos 6 galquizos Ofons: ess,0 = (im &1 - a = (s) } = 1 - (ex (o), doa es,0 = 0 = (ex (o) =1
                (LEX (S) = Y(S)
                                                              He(s) [1+ Gav(s)] = 1+ 11(c) 11 (1)
                                                                                                                                                                           (3)
                                                                                                                1+ H(s) H(s) G(s)
       MapaSsigna
                                                                                                             YG)
                                                                                     1/5/12
                                                       2/5+4
       H1(s)=k H2(s)=2/s+4 G(s)=1/s+2
      Zράλρια θέσης: es, θ = lim [1 - az (s)] = = 1- az (o) = 1-4k / 4+k = 4-k
       Z φά λρα ταχύπτας: ess, z = lim { [ 1 - aux ] = } = lim (s+2-6)(s+4)+26 } = 0
       Χρονική απόκριση διακριπού χρόνου (Δ.Χ.)
            \kappa((k+1)T) = A \times (kT) + B u(kT) , keV (1.1)
         y(ET) = (x(ET) + Du(ET)
                                                                                                            keN (1.2)
      (1.1) => x(T) = A x(0) + Ba(0)
                            \kappa(2\tau) = A \kappa(\tau) + B u(\tau) = A^2 \kappa(a) + AB u(a) + B u(\tau)
                           \times (3T) = A \times (9T) + Bu(9T) = A^3 \times (0) + A^9 Bu(0) + ABu(0) + Bu(2T)
                            X(LT)= A (0) + Z A --- Bu(iT) (2.1)
     (1.2) > y(kr)=(A*x(0)+C≥(A*-!-1Bu(iT))+ Du(kr) (2.2)
         MECHENNICATIONS Z:

Z \( \( \text{L} \tau \) \( \text{Z} = \frac{2}{2} \) \( \text{F(ET)} \). \( \frac{2}{2} \) \( \frac{1}{2} \)
                 biómzes plo Z:
                 · Z{x(k+1)}} = z[X(z)-x(0)] 6700 X(z) = Z{x(k7)} , U(z) = Z{u(k7)}
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$\Rightarrow X(z) = [z I - x]$ $\Rightarrow Y(z) = [x I - x]$	z) + D <i>U</i> (z)	(3,1) = 2([2]	- A] - '× (6) + [)] U(a) (3.2)
)] U(z) (3.2)
Trizpa Gevap Entossav (μετυφοράς 20 τό ες /	(z)=(.[z	I-AJ B + C	