No. of the last of	en48Pkjun14 Q1,2 doodled.	
(4) (4)	2014 Q1	
	/ :1. "	
	Critically dumped: $5 = 1$ $\overline{1}_{5} = 0.5 = \overline{1}_{\omega_{n}} \implies W_{n} = 8$	Pc= [B AB AZB].
(A)	$15=0.5=J\omega_n \implies \omega_n=g.$	
<i>i</i> 3	y(2) = 52 + 7 405 + 1/2	= 0 0 2 6 1 -6
	$y(1) = 5^2 + 2405 + 40^2$ = $5^2 + 165 + 64$	1 -4 16
	k = [0 0 1] Pc y (A) [0.5 0 0] · A + 16A + 64 I	Pc= 4 4 1
	LO.5 0 0 J. A + 16A + 64 I	3 1 6
8	k = [33 -4 32].	0.5 0 0
	525.	
	92	
Hillion Washington & Mark Stand		
	2.1. $x(k) + x(k-1) - x(k-2) = e(k)$	-1) + ze(k)
	$\chi(z) + \chi(z)z^{-1} - \chi(z)z^{-2} = E(z)$	24 12 F(2)
	$M \ \ \left\{ (\xi) \left[1 + \xi^{-1} - \xi^{-2} \right] \right. = E(\xi) \left[\xi^{-1} \right]$	1 +2].
1		
	$\frac{E(s)}{E(s)} = \frac{1+s^{-1}-s}{1+s^{-1}-s}.$	
1	$= \frac{2 + 22^2}{2^2 + 2 - 1}$	
	$= \overline{2^2 + 2 - 1}$	
	_2.	