3. Utilice la transforada 2 unilateral para determinar yen, no.

yen)= [0.154(0.315-0.404(0.81)]u(n)

b) y(n) -1.5y(n-1)+0.5y(n-2)=0 y(-1)= 1. y(-2)=6

Y'(z) - 1.5[2' Y'(z)+1] + 0.5[2' Y(z)+2'+0]=0 $Y'(z) = \frac{(.5 - 0.52^{-1}}{1 - 1.52' + 0.52^{-2}} = \frac{2}{1 - 2^{-1}} - \frac{(2)}{1 - 0.52^{-1}}$

qun)= [2-6.5)(0.5)]u(n) = [2-6.5)""]u(n)

() y(n): { b(n-1)+x(n) x(n) 2 (3) u(n) y(-1)=1

Y'(2) -0.5[2" Y'(2)+1] = 1- = = -

 $Y(12) = \frac{1.5 - 62^{-1}}{(1 - \frac{1}{3}2^{-1})(1 - 0.52^{-1})} = \frac{\frac{7}{2}}{(1 - \frac{1}{3}2^{-1})}$

がっことしか - 2(ま)つしいり

cl)

Y*(2) - = [2-2 Y*(2)+1]: 1-7-1

Y'(2): \(\frac{4}{4} - \frac{1}{4} \frac{2}{1-2}\) = \(\frac{4}{5} - \frac{1}{2} \frac{4}{1-\frac{2}{1}} + \frac{\frac{2}{2}}{\frac{1}{1-\frac{1}{2}}} + \frac{\frac{2}{2}}{\frac{1}{1+\frac{1}{2}}} \)

タいか: 智・多(ま)かーューとうり いい