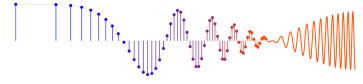


**EXERCISE 9.9:** Draw a block diagram representation of the system in Example 9-14 as an integrator followed by a parallel combination of two delay systems.



$$h(t) = u(t) * [\delta(t-1) - \delta(t-2)]$$

Convolving with  $u(t)$  is a running integral.

Convolving with  $\delta(t-1)$  is a delay by one.  
" "  $\delta(t-2)$  " by two.

