assuming causality 
$$h[-1]=0$$
 $h[0]=(.01 \times h[-1] + f[0]$ 
 $h[0]=1$ 

$$h[i] = 1.01 h[0] + f[1]$$

$$= 1.01 \times 1$$

$$= (.01)$$

$$h[2] = 1.01 \cdot h[1] + f[2]$$

$$= 1.01$$

$$h(3) = 1.01^3$$

$$h[i] = h[o] + \frac{1}{2} f[i]$$

$$= \frac{1}{2}$$

$$L(2) = 1/2$$