$$\frac{1}{2} \left(\frac{1}{2} \right) = \frac{2}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2$$

gdje je 1(n) odsi rustava, u(m) pavisvoljna polivda, a h(m) impulini odou hurlava.

$$m=-1$$
 $h(-1)=0$

$$M=0$$
 $h(0)=1$

$$n=1$$
 $h(1)=\frac{1}{4}$

$$m=2$$
 $h(2)=(\frac{1}{4})^2$

$$m=m$$
 $\left(h(m)-\left(\frac{1}{4}\right)^m\right)$

$$(d)$$

$$Y(m) = \sum_{m=-\infty}^{\infty} u(m) h(n-m) , u(m) = \mu(m)$$

$$= \sum_{m=0}^{m} \mathcal{M}(m) \left(\frac{1}{L_{1}}\right)^{m-m}$$

$$= \frac{5}{5} \left(\frac{1}{4}\right)^{n} + \frac{m}{4} = \frac{1}{4^{n}} + \frac{5}{5} + \frac{4^{m}}{5} = \frac{1}{4^{m}} + \frac{1}{5} + \frac{1}{4^{m}} + \frac{1}{5} + \frac{1}{4^{m}} = \frac{1}{4^{m}} + \frac{1}{5} + \frac{1}{4^{m}} + \frac{1}{5} + \frac{1}{4^{m}} = \frac{1}{4^{m}} + \frac{1}{4^{m}} + \frac{1}{4^{m}} = \frac{1}{4^{m}} + \frac{1}{4^{m}} + \frac{1}{4^{m}} + \frac{1}{4^{m}} = \frac{1}{4^{m}} + \frac{1}{4^{m}} + \frac{1}{4^{m}} + \frac{1}{4^{m}} + \frac{1}{4^{m}} = \frac{1}{4^{m}} + \frac{1}{4^{$$

$$=\frac{1}{4^{m}}\frac{1-4^{m+1}}{-3}=\frac{1}{3}\frac{4^{m}4-1}{4^{m}}=\frac{1}{3}\left[4-\left(\frac{1}{4}\right)^{m}\right]$$

$$-\frac{1}{3}\left[4-\left(\frac{1}{4}\right)^{n}\right]$$

