$$y[n] = 6y[n-i] + 6y[n-2] = 0[m]$$

$$y(2) - 5(2^{-1}y(2) + y(-1)) + 6(2^{-2}y(2) + 2^{-1}y(-1) + y(-2)) = \frac{1}{1-2-1}$$

$$(4 - 52^{-1} + 62^{-2})y(2) = 5y[-i] - 6y[-2] - 6y[-1]2^{-1} + \frac{1}{1-2-1}$$

$$(4 - 52^{-1} + 62^{-2})y(2) = 5y[-i] - 6y[-2] - 6y[-1]2^{-1} + \frac{1}{1-2-1}$$

$$= 3 - i82^{-1} + \frac{1}{1-2-1}$$

$$= 3 - i82^{-1} + i82^{-2} + i$$

$$= 3 - i82^{-1} + i82^{-2} + i$$

$$= 3 - i82^{-1} + i82^{-2} + i$$

$$= 4 - 2i2^{-1} + i82^{-2} + i$$

$$= 6 - 2i2^{-1} + i82^{-2} + i$$

$$= 6 - 2i2^{-1} + i82^{-2} + i$$

$$= 6 - 2i2^{-1} + i82^{-2} + i$$

$$= 7 - 2i2^{-1} + i82^{-1} + i$$

$$= 7 - 2i2^{-1}$$

Considered in splane throat invariant 2 sm h leaps

$$|K|2| = \frac{2}{2-i/2}$$
a) $K|pn a \times K[m] = U[m]$
b) $L_{pn} = \frac{2}{2-i} \times L[n] = \frac{2}{2-i/2} \times \frac{2}{2-i}$

$$|L|2| = \frac{2}{2-i} = \frac{2}{2-i/2} \times \frac{2}{2-i} = \frac{2}{2-i/2} \times \frac{2}{2-i}$$

$$|L|2| = \frac{2}{2-i} \times \frac{2}{2-i/2} \times \frac{2}{2-i} = \frac{2}{2-i/2} \times \frac{2}{2-i}$$

$$|L|2| = \frac{2}{2-i/2} \times \frac{2}{2-i/2} = \frac{1}{2-i/2} = 1$$

$$|L|2| = \frac{2}{2-i/2} \times \frac{2}{2-i/2} = \frac{1}{2-i/2} \times \frac{2}{2-i/2} \times \frac$$