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$$+1(z) = \frac{y(z)}{\sqrt{(z)}} = \frac{z^2 + z}{z^2 - 0.5z + 0.125}$$

May use response

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

$$\frac{1}{2}$$
 = $\frac{2+1}{2^2+0.5}$ = $\frac{2+1}{2+0.12}$

(residue)

$$\Gamma_1 = 0.5 - j2.5$$
 $V_2 = 0.5 + j2.5$
 $P_1 = 0.25 + j0.25$ $P_2 = 0.25 - j0.25$

$$\frac{H(z)}{z} = \frac{0.5 + j2.5}{2 - 0.25 - j0.25} + \frac{0.5 + j2.5}{2 - 0.25 + j0.25}$$

$$H(z) = (0.5 + j2.5)z + (0.5 - j2.5)z$$

$$Z - (0.25 + j0.25)$$
 $Z - (0.25 - j0.25)$

$$\frac{7}{10.25^{2}} + 0.25^{2} = 0.25 \int 2$$

$$\frac{1}{2} + (12) = \frac{(0.5 + j2.5)2}{2 - 0.25 \sqrt{2}} + \frac{(0.5 - j2.5)2}{2 - 0.25 \sqrt{2}}$$

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$$h[n] = (0.5 - j2.5)(0.25) = (0.25) =$$

$$= (0.5)(0.25)^{2} (e^{j\pi n} - j\pi_{4}n)$$

$$\frac{e^{j\theta}+e^{-j\theta}}{z} = \frac{10}{25}$$

$$h[n] = \left(\frac{\sqrt{2}}{4}\right)^{1/4} \left(\frac{(\cos n)}{4} + \frac{5}{5} \sin (n)\right)^{1/4}$$