









b)
$$y_{01} = y_{01}(z) = \frac{2}{3}y(z) = \frac{1}{3}y(z)$$

w. (5) = $\frac{2}{10}y_{01} + \frac{1}{3}y_{01} + \frac{1}{3}y_{01}$

628) a)
$$\times \text{End}$$

$$B = -A + z^{-1}C$$

$$C = A - \frac{U}{5}B$$

$$V = -\frac{U}{5}B + z^{-1}C$$

$$B = -A + z^{-1}(A - \frac{U}{5}B)$$

$$C = A - \frac{U}{5}(-A + z^{-1}C)$$

$$C = A + \frac{U}{5}A - \frac{U}{5}z^{-1}B$$

$$C = A + \frac{U}{5}A - \frac{U}{5}z^{-1}C$$

$$C = A + \frac{U}{5}A - \frac$$

$$H(z) = \frac{H_{1}(z)}{1 - (1/4z^{2})H_{1}(z)} = \frac{\left(\frac{4z + \frac{4z}{5}z^{1}}{1 + \frac{4z}{5}z^{1}}\right)}{1 - (1/4z^{2})H_{1}(z)} = \frac{\left(\frac{4z + \frac{4z}{5}z^{1}}{1 + \frac{4z}{5}z^{1}}\right)}{1 - \left(\frac{1}{5}z^{1} - \frac{1}{5}z^{2}\right)} = \frac{\left(\frac{4z + \frac{4z}{5}z^{1}}{1 + \frac{4z}{5}z^{1}}\right)}{1 - \left(\frac{1}{5}z^{1} - \frac{1}{5}z^{2}\right)} = \frac{\left(\frac{4z + \frac{4z}{5}z^{1}}{1 + \frac{4z}{5}z^{1}}\right)}{\left(\frac{1+4z}{5}z^{1} + \frac{4z}{5}z^{1}\right)} = \frac{\left(\frac{4z}{5}z^{1} + \frac{4z}{5}z^{1}\right)}{\left(\frac{1+4z}{5}z^{1} + \frac{4z}{5}z^{1}\right)} = \frac{\left(\frac{4z}{5}z^{1} + \frac{4z}{5}z^{1}\right)}{\left(\frac{4z}{5}z^{1} + \frac{4z}{5}z^{1}\right)} = \frac{\left(\frac{4z}{5}z^{1} + \frac{4z}{5}z^{1}\right$$

