Example J. 12

6: ripple - free

$$G(S) = \frac{1}{(S+1)(S+10)} \quad 7 = 0.1$$

Solution

$$G_{24S}(2) = (C+2^{-1}) \ge \frac{C(S)}{S}$$

$$= \frac{0.0035101(1+069 452^{-1})2^{-1}}{(1+089282^{-1})(1-0.38792^{-1})}$$

$$R(2) = \frac{1}{1-2^{-1}}$$

$$W(8) = G_{C1}(2) \frac{F(2)}{G_{24S}(2)}$$

$$= G_{C1}(2) \frac{(-0.90432^{-1})(1-0.38792^{-1})}{(-0.90432^{-1})(1-0.38792^{-1})}$$

$$= G_{C1}(8)$$

$$= G_{C1}(8)$$

no integrale

type of system must have input

to steam

to steam

port

port Fry N=2 [E(8) = Pot 808 ECZ) = (18) U(Z) au(18) 281-6255 (1-0904827) (1-0.387925) C(8)( 1+066 H75-1)8-1 (1-5-1) (5,15) for achieve E(2) in 5.14 (12) must have an integrator to can cel the factor (+ z-y) while (cc(12) shoul cancel the other factor in 5.15 -> prove ((2) cancel numerator in s.w CICCE) = K XZ-( HOB945Z-1) /

imposing 
$$G(10 = 1)$$
  $k = 0.1949$   $(2.10 = 1)$   $k = 0.1949$   $(2.10 = 1)$   $(2.10 =$