$$\frac{J(p)}{D(p)} = \frac{H(p)}{1 + R(p)H(p)}$$

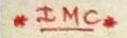
$$\cdot S(p) = \frac{J(p)}{v(p)} = \frac{1}{1 + R(p)H(p)}$$

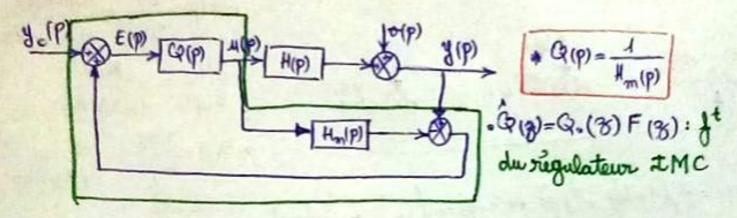
$$S(p) = \frac{y(p)}{v(p)} = \frac{1}{1 + R(p)H(p)}$$
sensibilité

* regulateur numerique

$$\frac{3(k)}{8} = \frac{3(k)}{8} = \frac{3$$

$$u(k) = \frac{e(k)}{S(3^{-1})} = \frac{T(3^{-1})}{S(3^{-1})} y(k) - \frac{R(3^{-1})}{S(3^{-1})} y(k)$$





· FT dans de cas du régulateur IMC:

$$y(p) = \frac{H(p)Q(p)}{1+Q(p)(H(p)-H_m(p))} y(p) + \frac{1-Q(p)H(p)}{1+Q(p)(H(p)-H_m(p))}$$

$$G_{m}(3) = k_{3}^{-d} (3-3_{1}) \cdots (3-3_{n})$$
 $(3-p_{1}) \cdots (3-p_{n})$

· R1: (20(3) zéros de (20(3) = poles de Gm(3)

. R2: géres de G_m(3) → pôle de Q₀(3) ← stable > 0: est de Q₀(3) ← shotable > 0: L'inverse <0: pôle agrigine + 3

· R3: Q (3)= Q (3)

· \$4: K (2. (1) G, (1)=1 = (2.(3)= K Q.(3)

· R5: (4(8)= (8)× F(8)= (8) to F(8)= 3-2