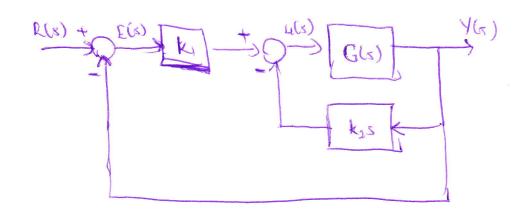
xample 2



Consider the plant TF and its quadratic optimal CLTF as $G(s) = \frac{1}{s(s+2)}$

 $T(s) = \frac{3}{s^2 + 3.2s + 3}$

Can This be implemented by adjusting the and to?

CLTF: $\frac{y(s)}{R(s)} = \frac{k_1}{s^2 + (2 + k_2)(s + k_1)} = \frac{3}{s^2 + 3.2s + 3}$

For k=3 and k2=1/2 the configuration implements T(a)

Mini dereceden bir polinonum tom katsayıları sıtır deil ve pozitif isa kasinlilla Hardultz'dir.

3 kosul var saglanak gerkar. 1) payde-pay dereke lake Glat, Tati-

This arrangement is also known a describing of output PD controller which differentiates also signal instead of error and hance more the preferable: U= ke-key