Block diagram reduction technique

CONTINUE>>>

Figure 2
Second-order feedback control system
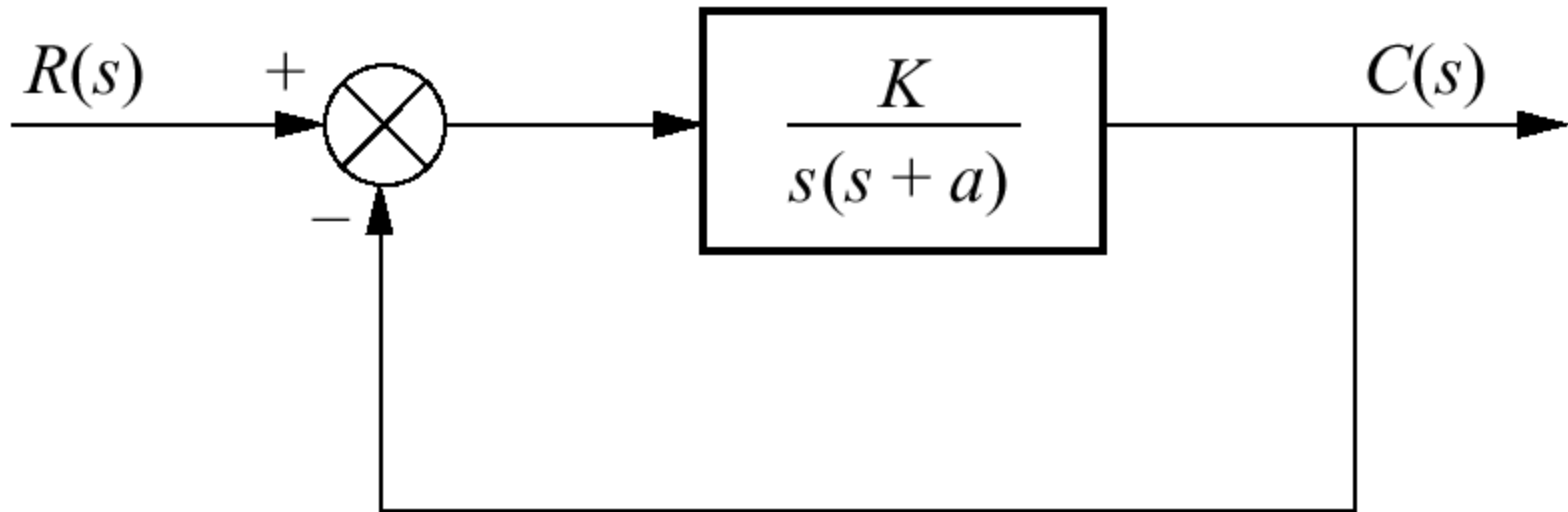
Figure Feedback system
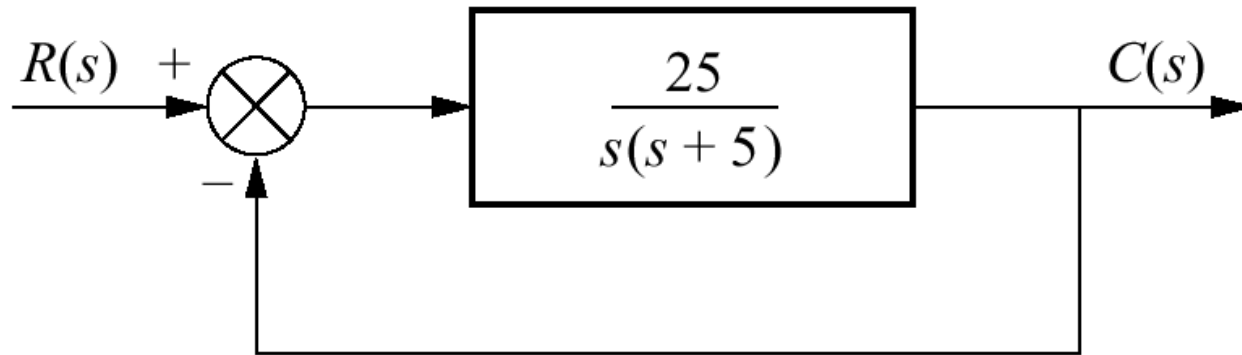

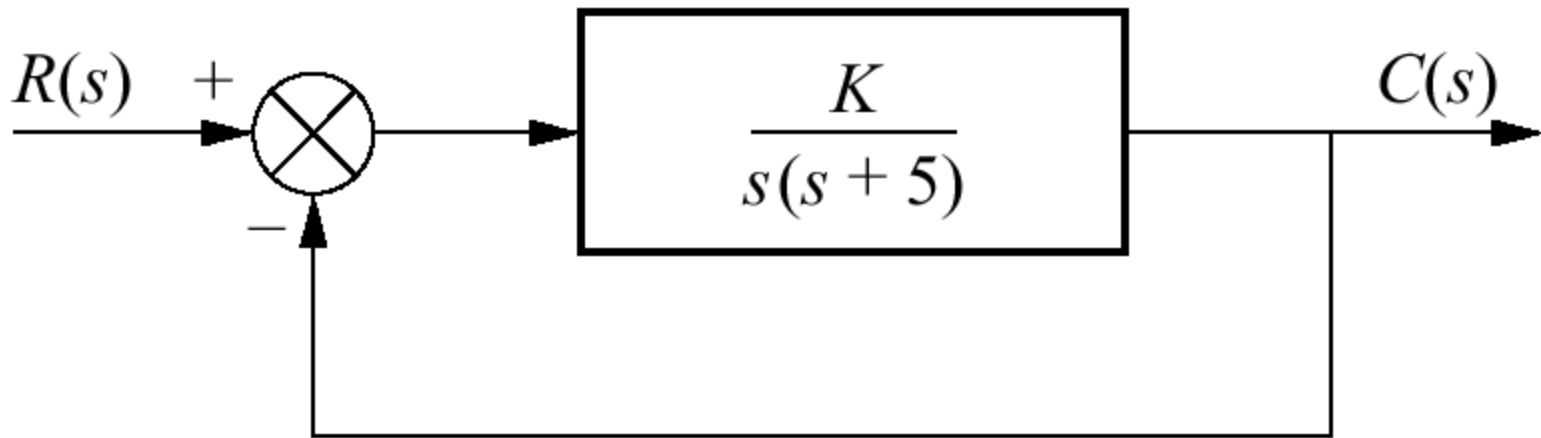$$\frac{25}{s(s+5)}$$

R(s) + ⊗ −   C(s)

Figure Feedback system

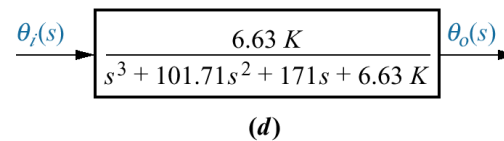$$R(s) \quad + \qquad \qquad \frac{K}{s(s+5)} \qquad \qquad C(s)$$
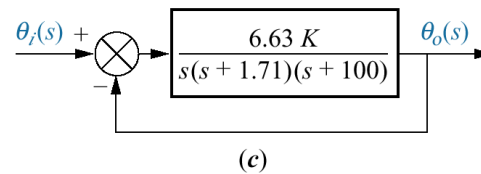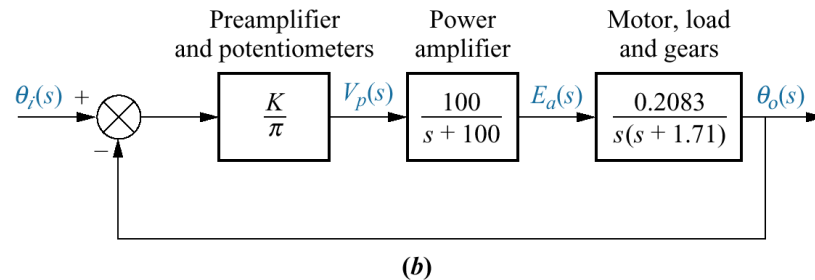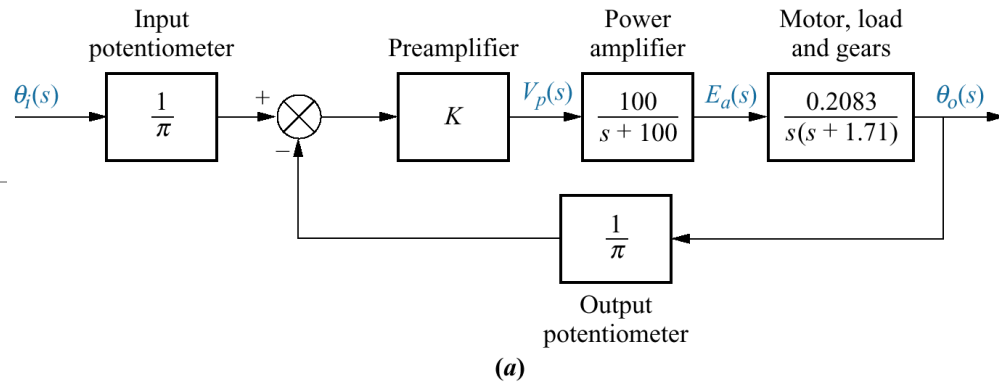
Figure 5.34

Alvin, a manned submersible, explored the wreckage of the*Titanic* with a tethered robot,
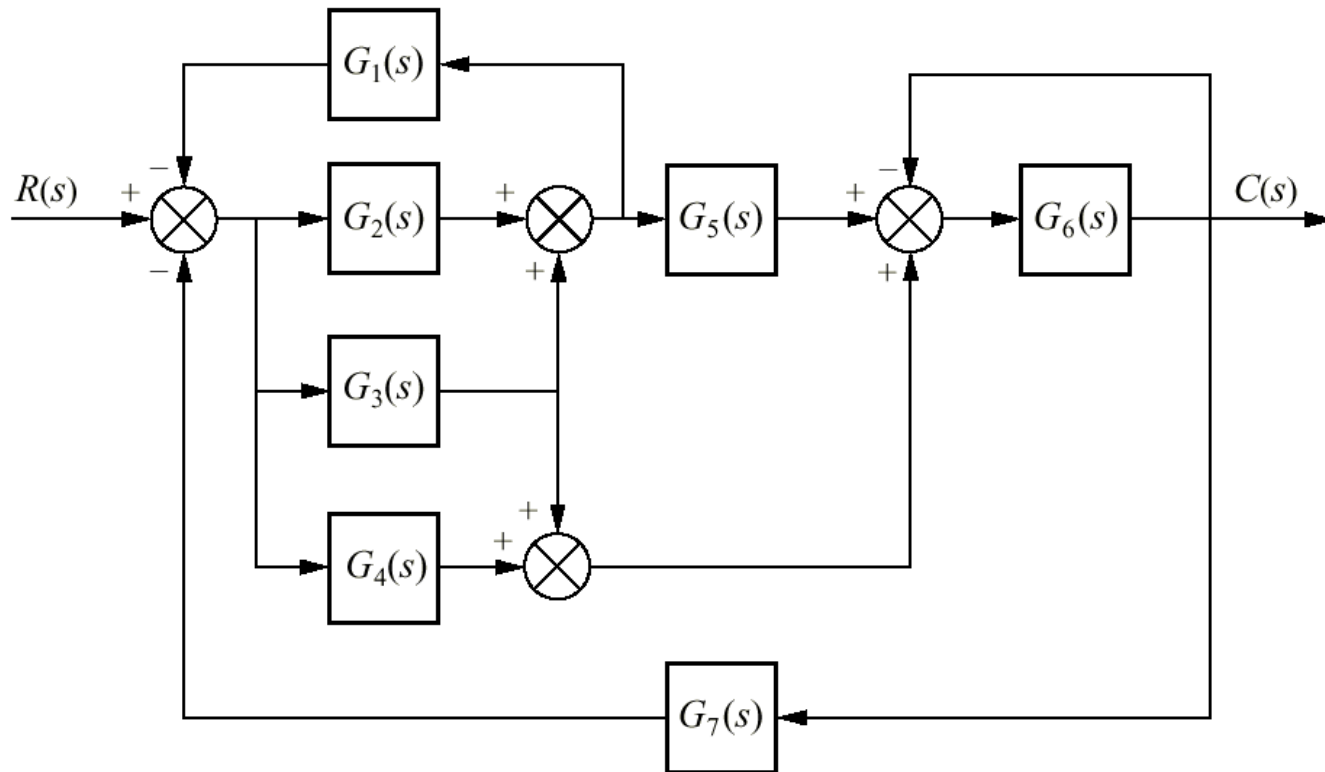
Jason Junior.
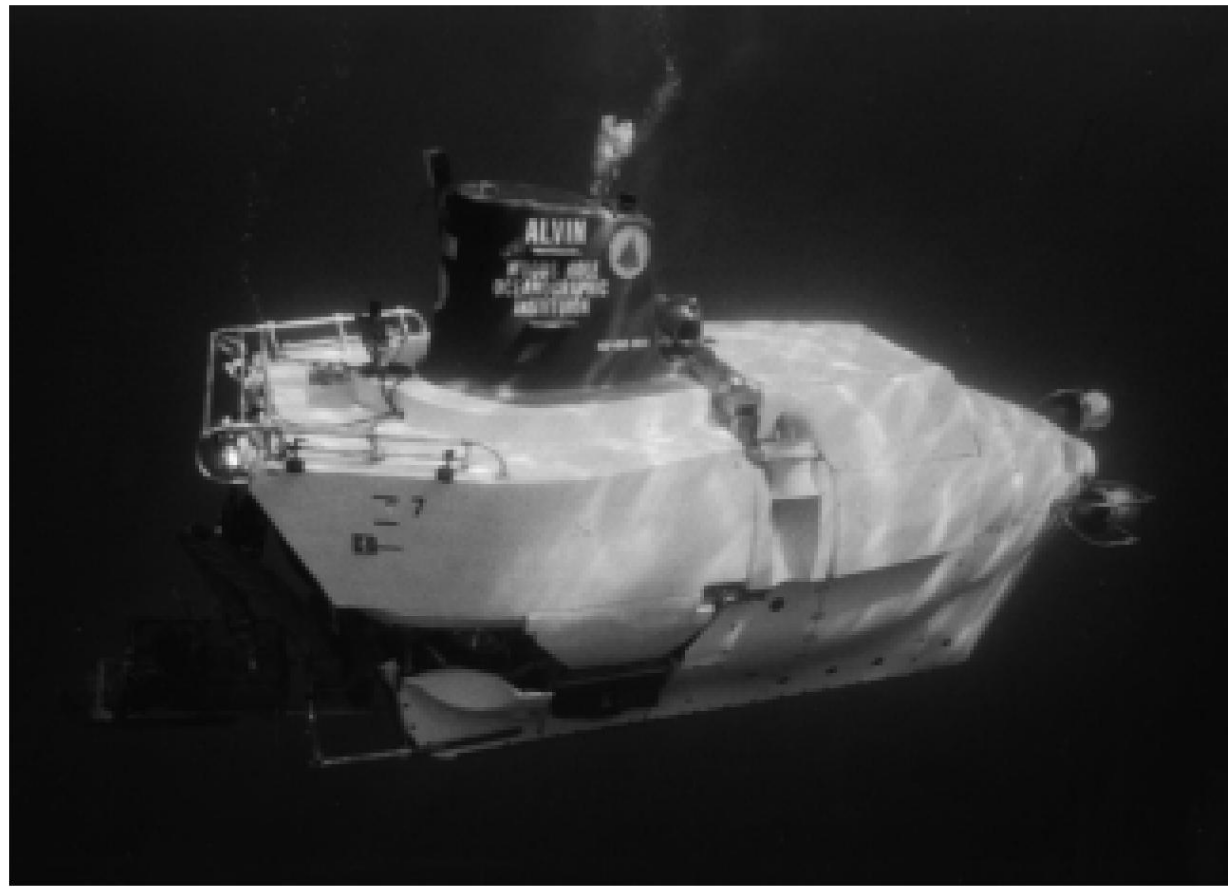
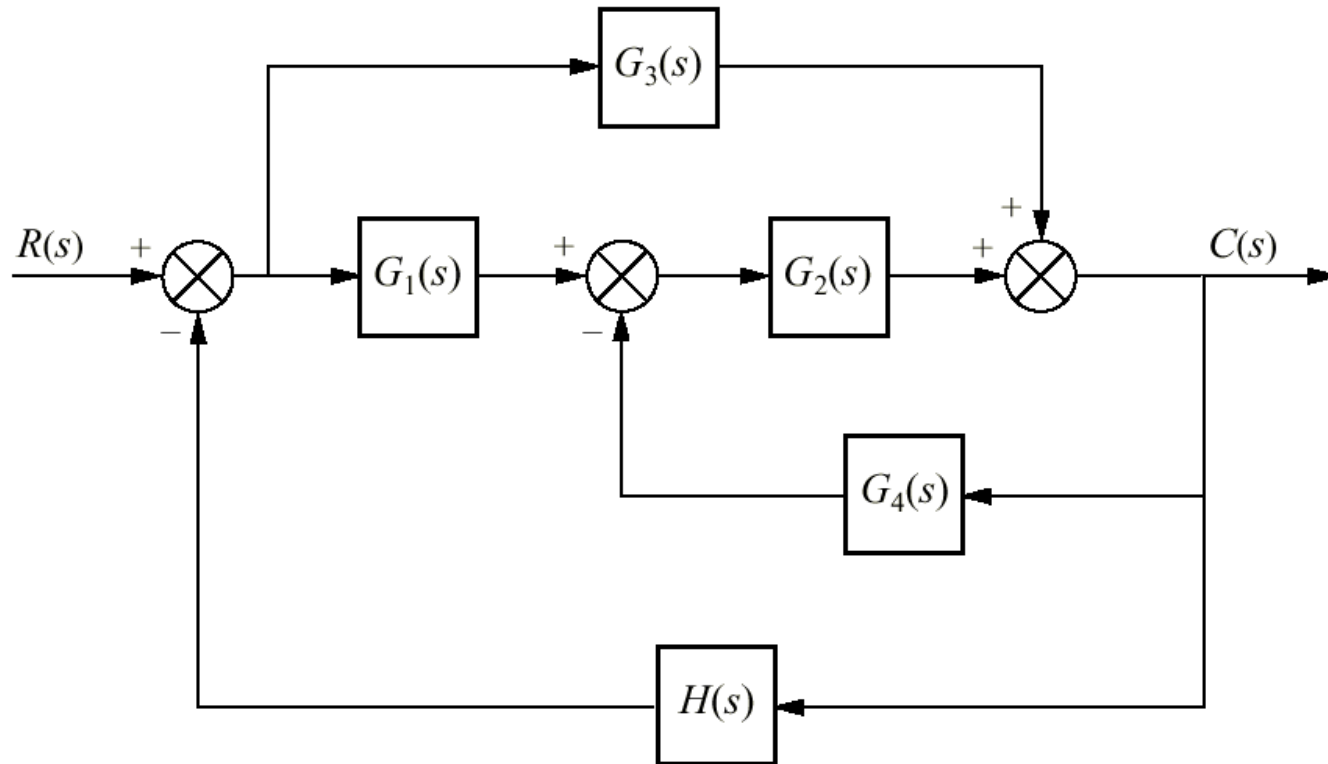Block diagram reduction for the antenna azimuth position control system:
a. original;
b. pushing input potentiometer to the right past the summing junction;
c. showing equivalent forward transfer function;
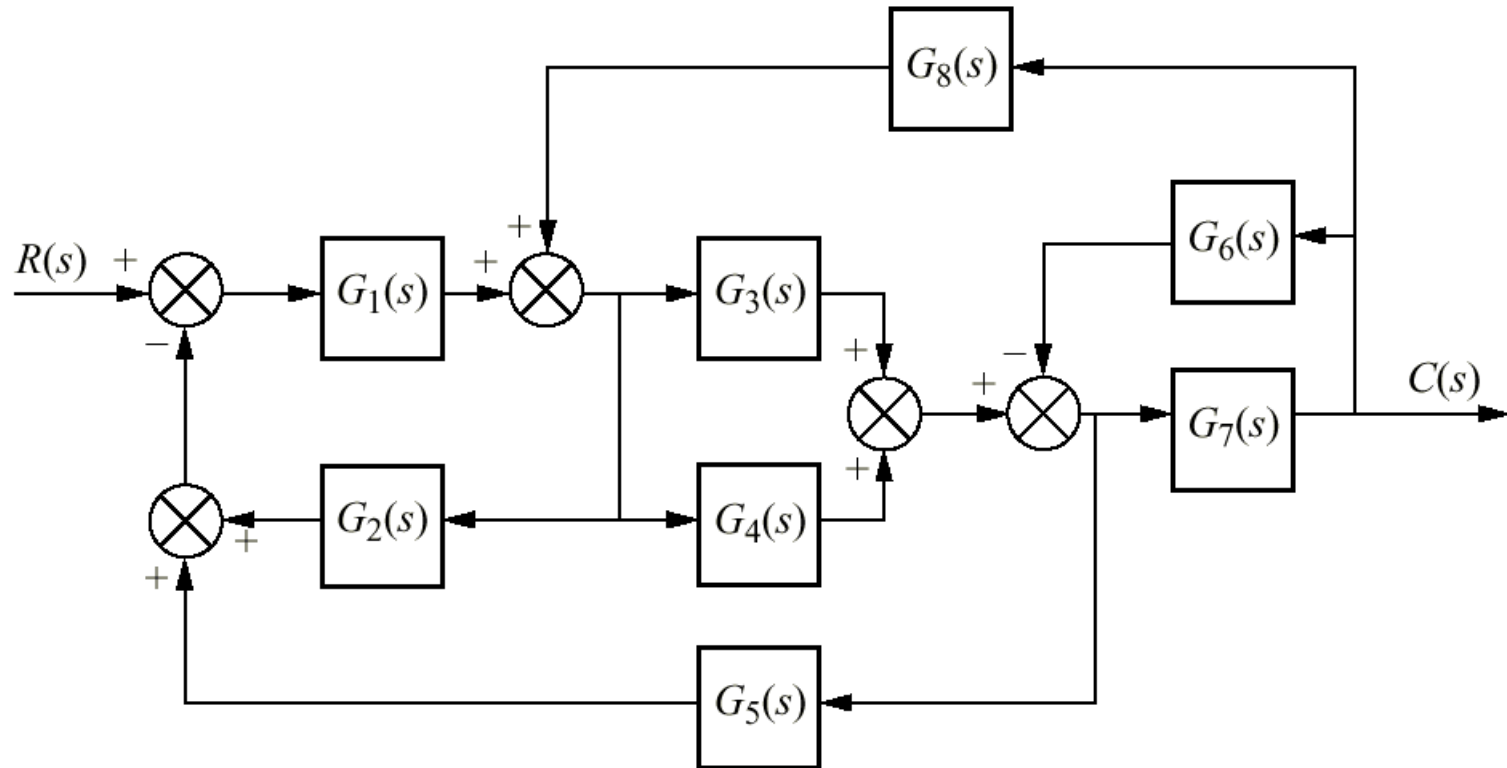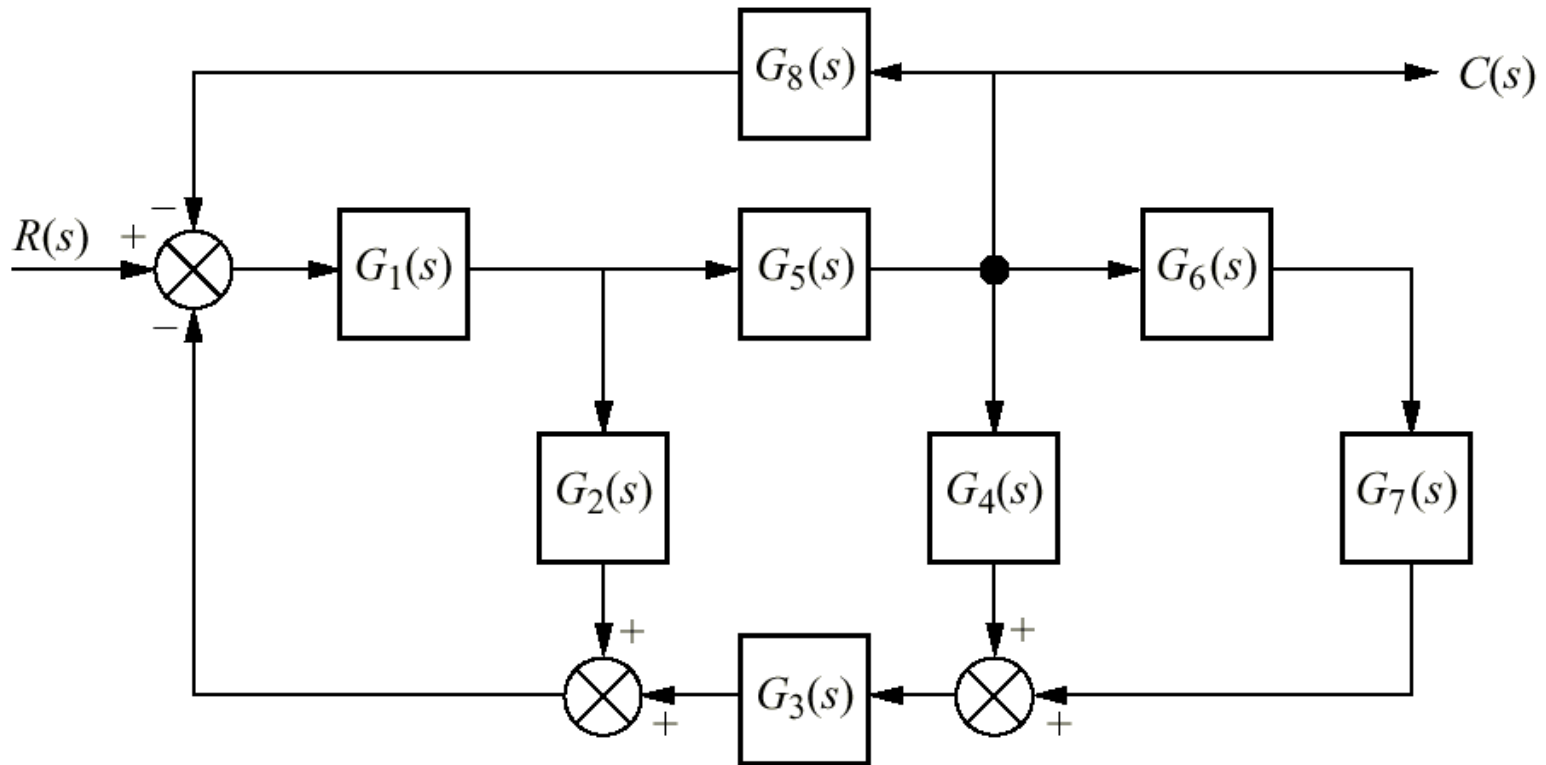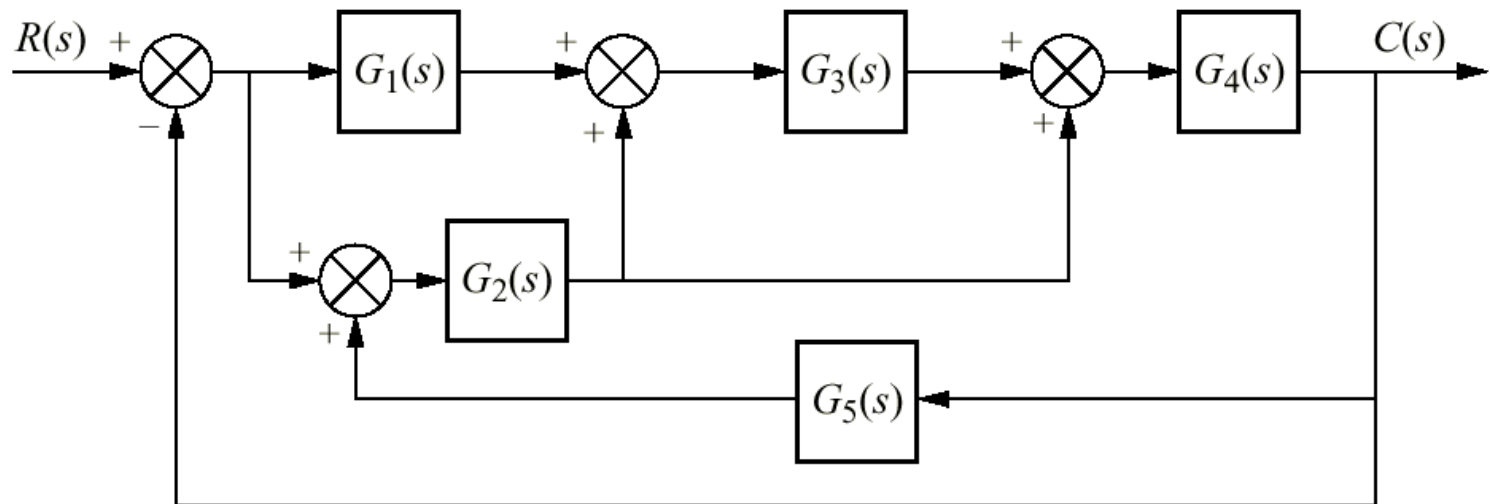**d.** final closed-loop transfer function

(a)

(b)

(c)

(d)

Figure

Figure

Figure

Figure

Figure

Figure

Figure

Figure

Figure