ME334 Homework 3

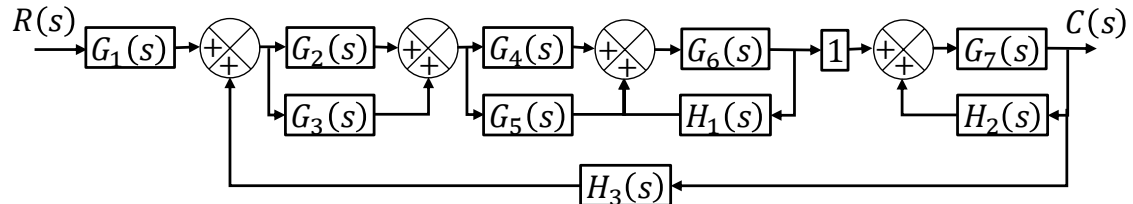
Question 3.1

a. **Reduce** the block diagram shown in **Figure 1** to a single transfer function.
   (Show all the steps in the block diagram reduction, including the movement of blocks, pickoff, or summing points)
b. **Convert** the block diagram in **Figure 1** into a signal-flow graph.
c. **Use** Mason's rule to **find** the transfer function of the signal-flow graph in your answer of Q3.1.b.

Figure 1. Block diagram