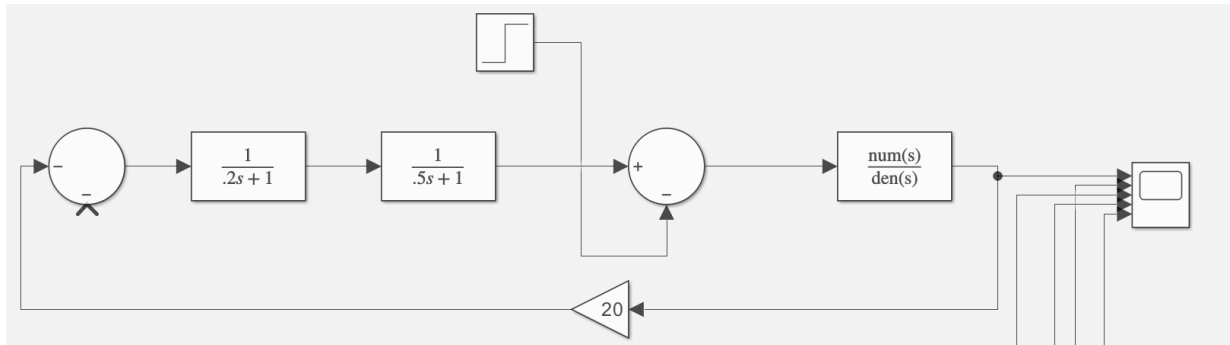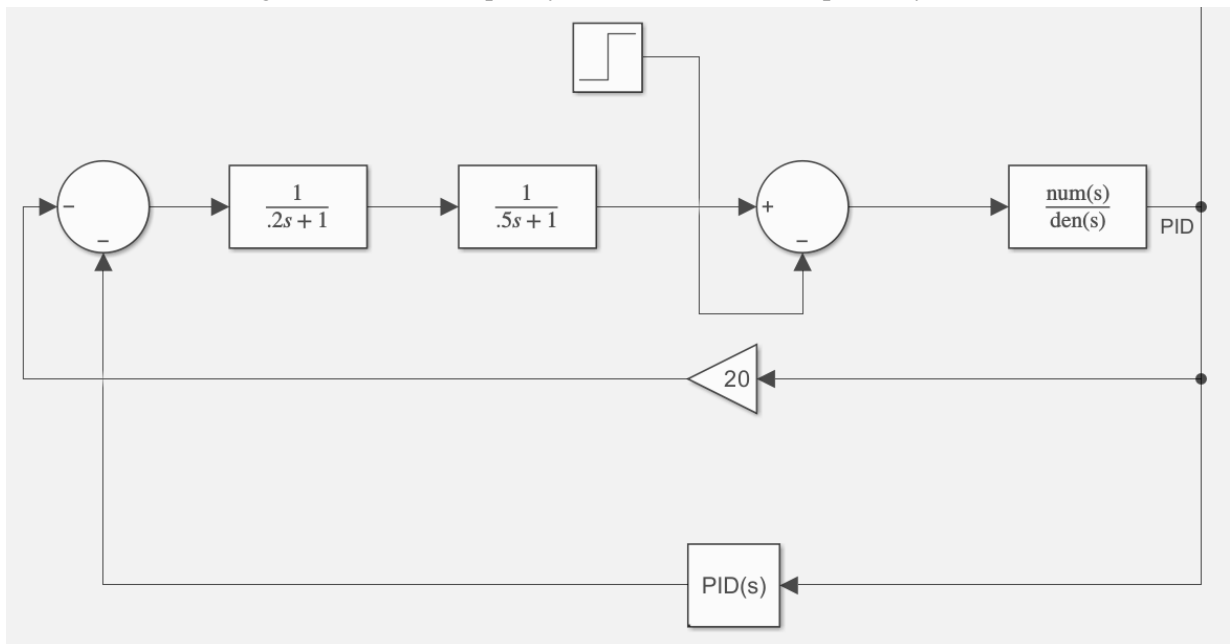# Block diagram:

(a) Block diagram of a Load frequency control of an isolated power system in Simulink

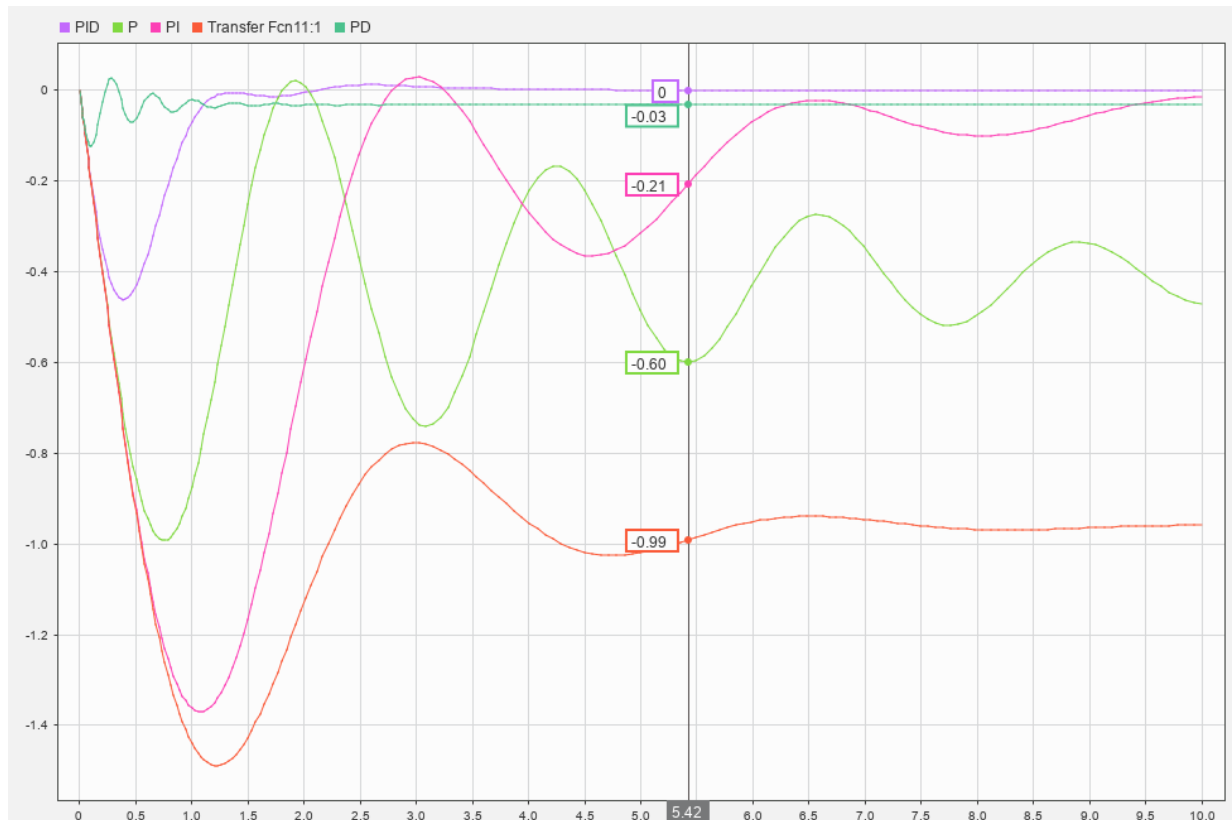(b) Block diagram of a Load frequency control of an isolated power system using PID controller in Simulink

Output waveshape:

Figure 2: Simulation result in Simulink