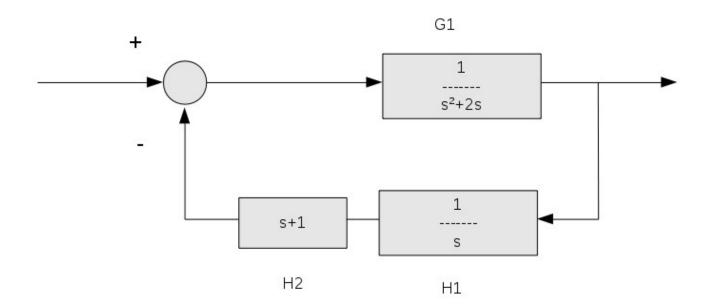
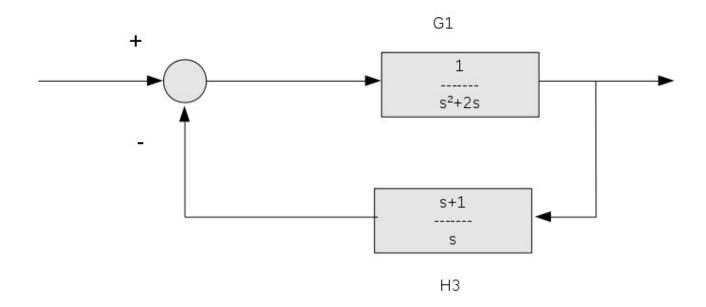
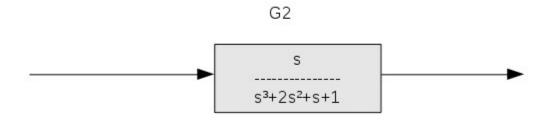


Se añade H2 en Serie





## Y al final queda G2



```
octave:1> n1=[1];
octave:2> d1=[1,2,0];
octave:3> n2=[1];
octave:4> d2=[1,0];
octave:5> n3=[1,1];
octave:6> d3=[1];
octave:7> G1=tf(n1,d1)
Transfer function 'G1' from input 'u1' to output ...
         1
 y1: -----
     s^2 + 2 s
Continuous-time model.
octave:8> H1=tf(n2,d2)
Transfer function 'H1' from input 'u1' to output ...
      1
y1: -
Continuous-time model.
octave:9> H2=tf(n3,d3)
Transfer function 'H2' from input 'u1' to output ...
y1: s + 1
Continuous-time model.
octave:10> H3=series(H1,H2)
Transfer function 'H3' from input 'u1' to output ...
     s + 1
v1: -----
       s
Continuous-time model.
octave:11> G2=feedback(G1,H3)
Transfer function 'G2' from input 'u1' to output ...
y1: -----
     s^3 + 2 s^2 + s + 1
```

```
octave:21> [z,p,k]=tf2zp(G2)
z = 0
p =
-1.75488 + 0.00000i
-0.12256 + 0.74486i
-0.12256 - 0.74486i
```

k = 1

Continuous-time model.
octave:12> step(G2)

## Step Response

