4.

>>H1 = tf([1, 5], [3, 6, 8], 's')

Transfer Function

Input:1 Output:1

z+5

---------

3z^2+6z+8

Sampling time: 115.000000

>>H2 = tf([1], [2 5], 's')

Transfer Function

Input:1 Output:1

1

----

2z+5

Sampling time: 115.000000

**SERIES**

>>series(H1,H2)

Transfer Function

Input:1 Output:1

z+5

-----------------

6z^3+27z^2+46z+40

Sampling time: 115.000000

**PARALLEL**

>>parallel(H1, H2)

Transfer Function

Input:1 Output:1

5z^2+21z+33

-----------------

6z^3+27z^2+46z+40

Sampling time: 115.000000

**FEEDBACK**

>>feedback(H1,H2)

Transfer Function

Input:1 Output:1

2z^2+15z+25

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6z^3+27z^2+47z+45

Sampling time: 115.000000

5. 