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ME22B070

Tut-1

$$G_2 = \frac{1\,(s-(0.76+1.08j))(s-(0.76-1.68j))}{s^6+7s^5+2s^4+9s^3+10s^2+12s+15}$$

s^6	1	2	10	15
s^5	7	9	12	0
s^4	5/7	58/7	15	0
s^3	-36/5	-135	0	
s^2	2509/361	15		
s^1	20.82	0		
s^0	15			

⇒ 2 sign changes in column 1 (⇒ 2 RHP poles)
⇒ unstable.