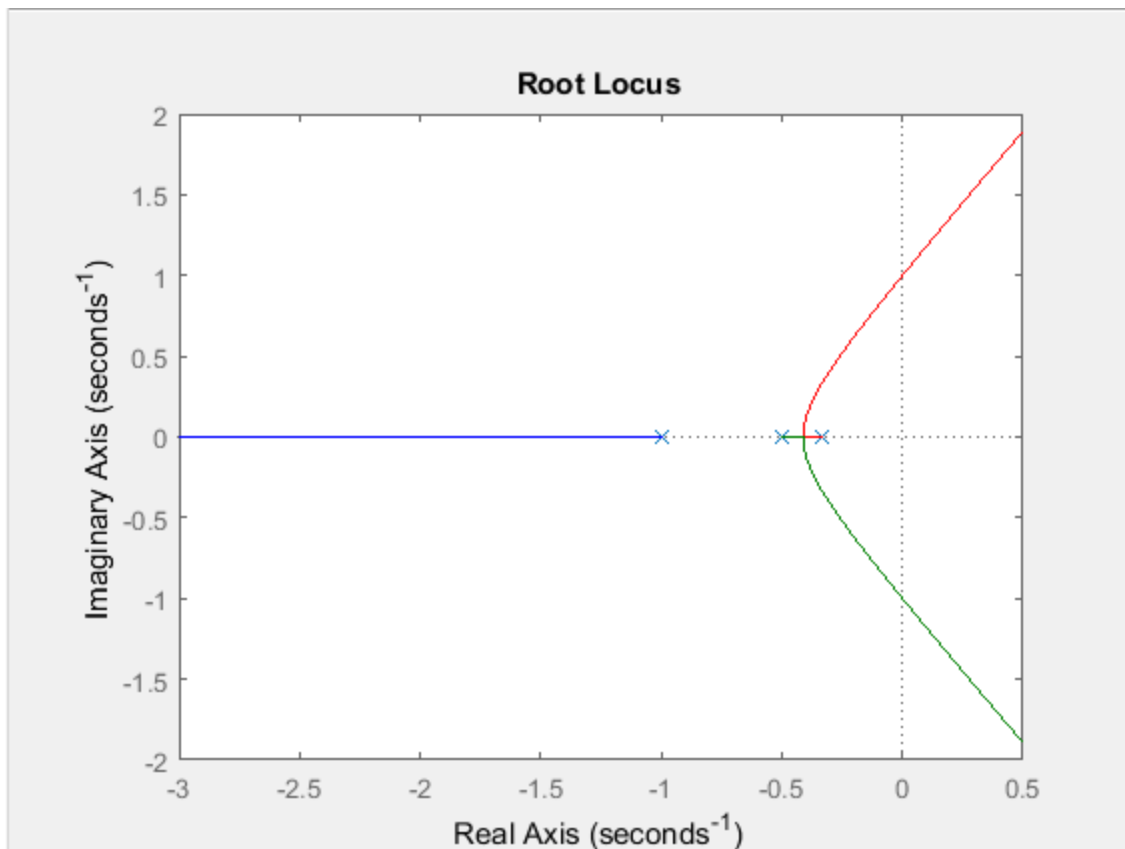


```
Editor - C:\Users\Muniratu Abubakar\Documents\MATLAB\Assignment5.m
Assignment5.m x +
1 - commandwindow
2 - clear
3 - clc
4 - close all
5 - format bank
6 - s=tf('s')
7 - Gp=3/((s+1)*((2*s)+1)*((3*s)+1))
8 - rlocus(Gp)
9 - [Ps, Kc]=rlocus(Gp), [0; 0.0001; 3]
10 - [Kc' Ps']
11 %from the 2.82 the system becomes unstable as some of the values are
12 %positive.
```



				0.54	-1.33	-0.25	-0.25
Answer:				0.65	-1.36	-0.24	-0.24
0.00	-1.00	-0.50	-0.33	0.78	-1.40	-0.22	-0.22
0.01	-1.01	-0.45	-0.37	0.93	-1.44	-0.19	-0.19
0.01	-1.01	-0.43	-0.39	1.12	-1.49	-0.17	-0.17
0.01	-1.01	-0.41	-0.41	1.35	-1.54	-0.15	-0.15
0.01	-1.01	-0.41	-0.41	1.62	-1.59	-0.12	-0.12
0.01	-1.01	-0.41	-0.41	1.95	-1.65	-0.09	-0.09
0.01	-1.01	-0.41	-0.41	2.35	-1.71	-0.06	-0.06
0.01	-1.02	-0.41	-0.41	2.82	-1.77	-0.03	-0.03
0.01	-1.02	-0.41	-0.41	3.39	-1.84	0.00	0.00
0.02	-1.02	-0.41	-0.41	4.08	-1.91	0.04	0.04
0.02	-1.03	-0.40	-0.40	4.91	-1.99	0.08	0.08
0.02	-1.03	-0.40	-0.40	5.90	-2.08	0.12	0.12
0.03	-1.04	-0.40	-0.40	7.10	-2.16	0.17	0.17
0.03	-1.04	-0.39	-0.39	8.54	-2.26	0.21	0.21
0.04	-1.05	-0.39	-0.39	10.27	-2.36	0.26	0.26
0.05	-1.06	-0.39	-0.39	12.35	-2.47	0.32	0.32
0.06	-1.07	-0.38	-0.38	14.85	-2.58	0.38	0.38
0.07	-1.08	-0.38	-0.38	17.86	-2.71	0.44	0.44
0.08	-1.09	-0.37	-0.37	21.47	-2.84	0.50	0.50
0.10	-1.11	-0.36	-0.36	25.82	-2.97	0.57	0.57
0.12	-1.12	-0.35	-0.35	31.05	-3.12	0.64	0.64
0.15	-1.14	-0.35	-0.35	37.34	-3.28	0.72	0.72
0.18	-1.16	-0.34	-0.34	44.90	-3.45	0.81	0.81
0.21	-1.18	-0.32	-0.32	54.00	-3.62	0.90	0.90
0.26	-1.21	-0.31	-0.31	762110.84	-73.11	35.64	
0.31	-1.23	-0.30	-0.30	35.64			
0.37	-1.26	-0.29	-0.29	Inf	Inf	Inf	Inf
0.45	-1.29	-0.27	-0.27				