

MGBOJIKWE CHUKWUEBUKA UGOCHUKWU

```
commandwindow
clear
clc
close all
format bank
s=tf('s')
Gp=3/((s+1)*(2*s+1)*(3*s+1))
rlocus(Gp,[0:0.0001:3])
[Ps,Kc]=rlocus(Gp,[0:0.0001:3])
[Kc',Ps']
```

%Hence, after running the code it was noted that all the poles were
%negative which means that the system is stable all through from the Kc
%value of 0 to the Kc value of 3.

