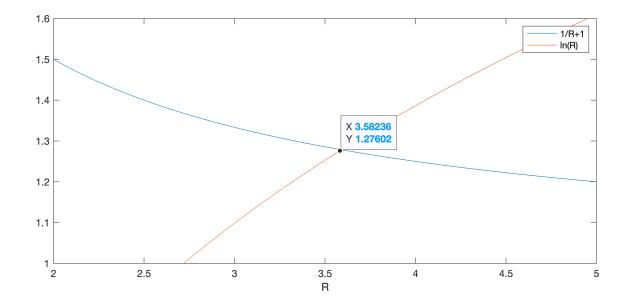
HW5 Q3

graphical sulotion

```
R=linspace(0,10,10000);
plot(R,1./R+1);
hold on
plot(R,log(R));
ylim([1,1.6]);
xlim([2,5]);
ax = gca;
chart = ax.Children(1);
datatip(chart,3.582,1.276);
xlabel('R');
legend('1/R+1','ln(R)');
set(gcf,'position',[200,0,700,300])
```



Numeric

```
syms R
eqn = 1/R+1-log(R) == 0
eqn = \frac{1}{R}-log(R)+1=0
S = solve(eqn);
R = vpa(S)
```

R = 3.5911214766686221366492229257416