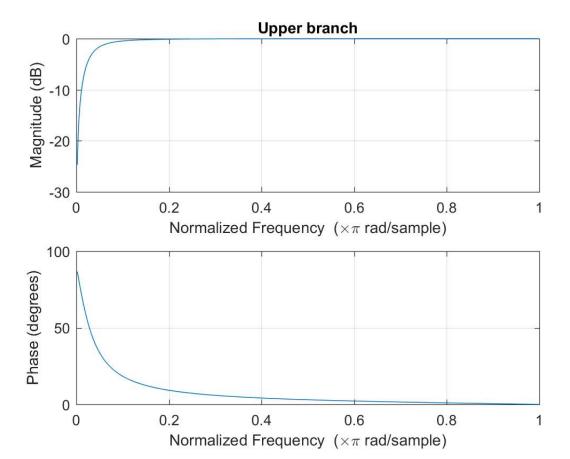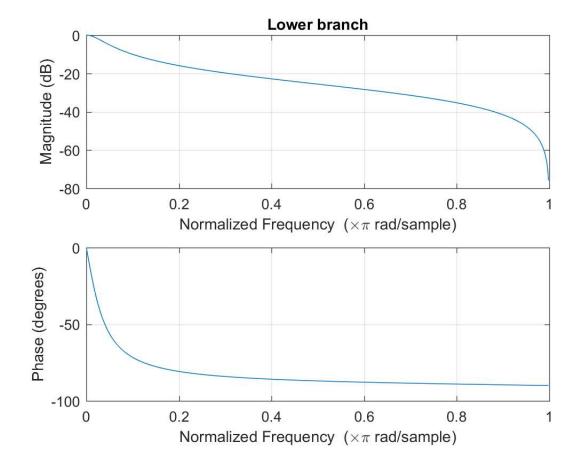# Problem 3 - b

```
a = 0.9;
K = 1;

B_up = [1+a -(1+a)];
A_up = 2.*[1 -a];
freqz(B_up,A_up);
title('Upper branch');

figure();
B_low = K.*[1-a 1-a];
A_low = 2.*[1 -a];
freqz(B_low,A_low);
title('Lower branch');
```

Lower branch