MatLab Can Help

- Define zeros: zzz = [exp(j * 0.5*pi), exp(-j * 0.5*pi)]
- Create a polynomial with specified roots: bk = poly(zzz)
  - Also roots(bk) returns the roots of a polynomial in descending powers of z
- Use fvtool(…) for H(w), P/Z plot, h[n] plot…

```
zzz = [exp(j * 0.5*pi), exp(-j * 0.5*pi)];
bk = poly(zzz);


prad = 0.9;
ppp = [prad * exp(j * 0.5*pi), prad * exp(-j * 0.5*pi)];
ak = poly(ppp);


fs = 16000;
fvtool(bk,ak,'Fs',fs)
```

Opposite the values used in
the difference equation

fvtool([b0, b1, b2],[1, -a1, -a2],'Fs',16000)