> with(plots):
> A:=array([[0,1],[0,-1/(0.35)]]);
> B:=array([0,38.24/0.35]);
> w:=[eigenvals(A)];
> BI:=evalm(array(1..2,1..2,identity));
> w:=det(s\*BI-A);
> rch:=expand(w);
> ws:=[coeff(rch,s,0),coeff(rch,s,1)];
> s1:=-5;s2:=-5;
> rchz:=expand((s-s1)\*(s-s2));
> wsz:=[coeff(rchz,s,0),coeff(rchz,s,1)];
> P:=augment(evalm(B),evalm(A&\*B));
> en:=array([0,1]);
> p:=evalm((transpose(inverse(P)))&\*en);
>kx:=augment(evalm(p),evalm(transpose(A)&\*p));
> zz:=evalm(wsz-ws);
> k:=evalm(kx&\*zz);