> 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);