

```

clear all
A=[7/3 6 -25/3 -10;-1/3 -3 4/3 2;7/3 3 -16/3 -4;-2/3 -1 2/3 -1]

r=-1;
A1=[7/3-r 6 -25/3 -10;-1/3 -3-r 4/3 2;7/3 3 -16/3-r -4;-2/3 -1 2/3 -1-r]
pause
B1=A1(1:3,1:3)
orizousa1=det(B1)
pause
s1=-A1(1:3,4)
pause
x1=inv(B1)*s1
pause
x1=[x1;1]

pause

r=-2;
A2=[7/3-r 6 -25/3 -10;-1/3 -3-r 4/3 2;7/3 3 -16/3-r -4;-2/3 -1 2/3 -1-r]
pause
B2=A2(1:3,1:3)
orizousa2=det(B2)
pause
s2=-A2(1:3,4)
pause
x2=inv(B2)*s2
pause
x2=[x2;1]

pause

r=-2;
A2=[7/3-r 6 -25/3 -10;-1/3 -3-r 4/3 2;7/3 3 -16/3-r -4;-2/3 -1 2/3 -1-r]
pause
B2=A2(1:3,1:3)
orizousa2=det(B2)
pause
s3=-A2(1:3,4)+x2(1:3)
pause
x3=inv(B2)*s3
pause
x3=[x3;1]

pause

r=-2;
A2=[7/3-r 6 -25/3 -10;-1/3 -3-r 4/3 2;7/3 3 -16/3-r -4;-2/3 -1 2/3 -1-r]
pause
B2=A2(1:3,1:3)
orizousa2=det(B2)
pause
s4=-A2(1:3,4)+x3(1:3)
pause
x4=inv(B2)*s4
pause
x4=[x4;1]

P=[x1,x2,x3,x4]

inv(P)*A*P

```