```
clear all
close all
kl=25;k2=25;k3=25;k4=10;k6=10;k7=2;k8=2;k5=5;
p1=2;p2=2;p3=2;
syms ul u2 u3
eq1=p1-k1*u1+k5*(u3-u1)+k4*(u2-u1)==0;
eq2=p2-k2*u2-k4*(u2-u1)+k6*(u3-u2)==0;
eq3=p3-k7*u3-k8*u3-k3*u3-k6*(u3-u2)-k5*(u3-u1)==9;
[A,B] = equationsToMatrix([eq1, eq2, eq3], [u1, u2, u3]);
u=linsolve(A,B);
fprintf('The displacement of cart u_1 is 0.0785 .
The displacement of cart u_2 is u_2 is 0.0779 .
The displacement of cart u_2 is u_3 is 0.0721 .
```

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