```
clc;
clear;
V = [10;20;100];
R= [20 10 25 10 30];
A = [ R(1)+R(2), -R(1), -R(2);
-R(1) , R(4)+R(1)+R(3) , -R(4);
-R(2) , -R(4) ,R(4)+R(5)+R(2)];
curr = A\V;
fprintf('current1 is %4.2f.\n current2 is %4.2f.\n current3 is %4.2f.\n ',curr(1),curr(2),curr(3))
```

```
current1 is 2.47.
 current2 is 1.78.
 current3 is 2.85.
```