

```

rawdataf=fopen('data.txt','r');
rawdata=[];
G=zeros(16,16);
while ~feof(rawdataf)
    rawdata=fscanf(rawdataf,'%s',1);
    if length(rawdata)>=2 && rawdata(1)=='R'% 'Rxx'
        rawdata=fscanf(rawdataf,'%s',1);% 'nx_xx_xx'
        if rawdata(2)=='1' || rawdata(2)=='3' %VDD net only
            temp=regexp(rawdata,'_','split');
            x1=str2num(char(temp(2)));
            y1=str2num(char(temp(3)));

            rawdata=fscanf(rawdataf,'%s',1);% 'nx_xx_xx'
            temp=regexp(rawdata,'_','split');
            x2=str2num(char(temp(2)));
            y2=str2num(char(temp(3)));

            m=fscanf(rawdataf,'%f',1);%property

            t1=fix(x1/50)+fix(y1/50)*4+1;
            t2=fix(x2/50)+fix(y2/50)*4+1;
            G(t1,t1)=G(t1,t1)+m;
            G(t2,t2)=G(t2,t2)+m;
            G(t1,t2)=G(t1,t2)-m;
            G(t2,t1)=G(t2,t1)-m;
        end
    end
end
fclose(rawdataf);
disp(G)

```

```
===== Result =====
```

G =																
2.50	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-1.25	3.75	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	-1.25	3.75	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	-1.25	2.50	0.00	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-1.25	0.00	0.00	0.00	0.00	3.75	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	-1.25	0.00	0.00	0.00	-1.25	5.00	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	-1.25	0.00	0.00	-1.25	5.00	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	-1.25	0.00	0.00	-1.25	3.75	0.00	0.00	0.00	-1.25	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	-1.25	0.00	0.00	0.00	3.75	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	-1.25	0.00	0.00	-1.25	5.00	-1.25	0.00	0.00	-1.25	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	-1.25	0.00	0.00	-1.25	5.00	-1.25	0.00	0.00	-1.25	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.25	0.00	0.00	-1.25	3.75	0.00	0.00	0.00	-1.25	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.25	0.00	0.00	0.00	2.50	-1.25	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.25	0.00	0.00	-1.25	3.75	-1.25	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.25	0.00	0.00	-1.25	3.75	-1.25	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.25	0.00	0.00	-1.25	2.50	0.00