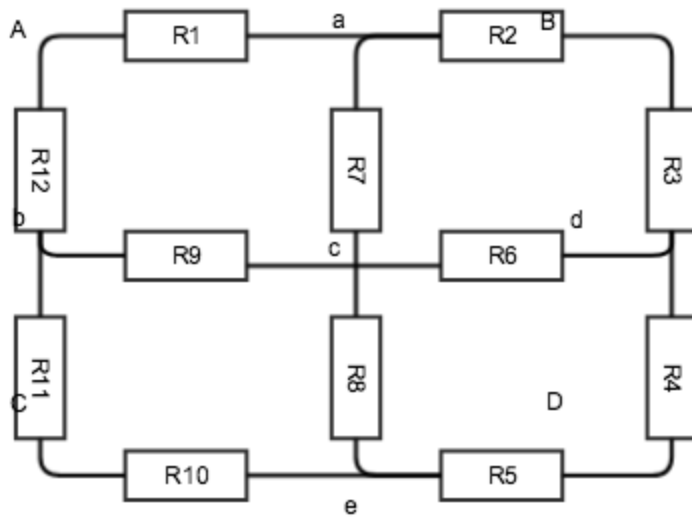# example1

In the example circuit shown below, we assume that all resistances are of value 1ohms. Please see the nodeRMap.txt to confirm. (You can easily edit the text file if you would like to see the effort of the change)

. We also define the current sinks at nodes a,b,c,d and e or value 1 amps. (see the file nodeCurrentMap.txt). We define the voltage sources at A,B,C and D nodes (see the file voltageSources.txt)

To solve for IRdrop, we basically have to calculate the currents flowing through each resistance and voltages at each node. The voltages at a,b,c,d and e need to be computed. to get the results of the calculations, please use the following API

curl -s -X POST http://52.66.189.213:8090/irdrop -F 'fileX=@nodeRMap.txt' -F 'fileY=@nodeCurrentMap.txt' -F 'fileZ=@voltageSources.txt' -F 'token=demo'