NEMA W

SALECx unos:

Elektroenergetski\_transformator: [

["V","E1",1,0,E],

["R","R1",1,2,R1],

["R","R2",2,3,R2],

["K","K1",[2,0],[3,0],[L1,L2,L12],[I01,0]]

];

SymPyCAP unos:

[

["V","E1",1,0],

["R","R1",1,2],

["R","R2",2,3],

["K","K1",[2,0],[3,0],[L1,L2,L12],[I01,0]]

]

I01 je pocetno stanje!!!

RESENJE:

V[1]=E

V[2]=-((E\*L12^2-E\*L1\*L2)\*s^2+R1\*((I01\*L1\*L2-I01\*L12^2)\*s+I01\*L1\*R2)-E\*L1\*R2\*s)/((L1\*L2-L12^2)\*s^2+R1\*((L2-2\*L12+L1)\*s+R2)+L1\*R2\*s)

V[3]=-((E\*L12^2-E\*L1\*L2)\*s^2+R1\*((I01\*L1\*L2-I01\*L12^2)\*s+I01\*L12\*R2)-E\*L12\*R2\*s)/((L1\*L2-L12^2)\*s^2+R1\*((L2-2\*L12+L1)\*s+R2)+L1\*R2\*s)

I["K1",3]=((E\*L1-E\*L12)\*s+(I01\*L12-I01\*L1)\*R1)/((L1\*L2-L12^2)\*s^2+R1\*((L2-2\*L12+L1)\*s+R2)+L1\*R2\*s)

I["K1",2]=-(((-I01\*L1-E)\*L2+I01\*L12^2+E\*L12)\*s+(-I01\*L1-E)\*R2+(I01\*L12-I01\*L1)\*R1)/((L1\*L2-L12^2)\*s^2+R1\*((L2-2\*L12+L1)\*s+R2)+L1\*R2\*s)

I["E1"]=-(((I01\*L1+E)\*L2-I01\*L12^2-2\*E\*L12+E\*L1)\*s+(I01\*L1+E)\*R2)/((L1\*L2-L12^2)\*s^2+R1\*((L2-2\*L12+L1)\*s+R2)+L1\*R2\*s)