

```

0001 Vb1 = 12e3
0002 Vb2 = sqrt(3)*132.7906e3
0003 Vb3 = sqrt(3)*7.9674e3
0004
0005 Sb = 100e6
0006
0007 z1 = 100*(0.03+0.12*i)*(abs(Vb2)^2/Sb)
0008
0009 zt12 = 0.03*i*100e6/30e6
0010 zt345 = 0.04*i*100e6/30e6
0011
0012 zt12eq = zt12/2
0013 zt345eq = zt345/3
0014
0015 scpu = (30e6/0.92)/Sb
0016
0017 zeq = zt12eq + z1 + zt345eq
0018
0019 vc = 1
0020 i = 0
0021 for(i = 1:50),
0022     i = (scpu/(sqrt(3)*vc))'
0023     vc = 1-zeq*i
0024 end
0025
0026 vzt345 = vc + zt345eq*i
0027
0028 Plinha = z1*(i^2)*Sb

```