

dados5

```

%%      Dados das Barras

%      Tipo da barra :
%          barra PQ          = 0
%          barra PV          = 1
%          barra de referência (VTeta) = 2

nb=5;
nl=7;

%%      Num  Tipo  V      Teta  Pg      Qg      Pd      Qd  ')
barras = [
    1  2  1.060  0.0          0.0  0.0  0.0  0.0 ;
    2  1  1.045  0.0          40  0.0  21.7  0.0 ;
    3  1  1.017  0.0          20  0.0  0.0  0.0 ;
    4  0  1.0     0.0          0.0  0.0  47.8 -3.9 ;
    5  0  1.0     0.0          0.0  0.0  7.6  1.6] ;

%%      Dados das Linhas
%%
%%
%%      na  nb      r      x      bshl
linhas = [
    1  2      0.01938  0.05917  0.0528 ;
    1  5      0.05403  0.22304  0.0492 ;
    2  3      0.04699  0.19797  0.0438 ;
    2  4      0.05811  0.17632  0.0340 ;
    2  5      0.05695  0.17388  0.0346 ;
    3  4      0.06701  0.17103  0.0128 ;
    4  5      0.01335  0.04211  0.0000] ;

```