The Load Flow converged in 2 iterations !

SUMMARY for subnetwork No 1

```
  Total generation  : P=    320.19 MW Q=     22.70 Mvar
  Total PQ load     : P=    315.00 MW Q=    115.00 Mvar
  Total Zshunt load : P=      0.64 MW Q=   -140.35 Mvar
  Total ASM load    : P=      0.00 MW Q=      0.00 Mvar
  Total losses      : P=      4.55 MW Q=     48.06 Mvar
```

```
1 : BUS_1  V= 1.040 pu/16.5kV 0.00 deg   ; Swing bus
        Generation : P=   72.19 MW Q=   26.80 Mvar
        PQ_load    : P=    0.00 MW Q=    0.00 Mvar
        Z_shunt    : P=    0.22 MW Q=    0.22 Mvar
   -->  BUS_4      : P=   71.97 MW Q=   26.58 Mvar

2 : BUS_2  V= 1.025 pu/18kV 9.17 deg
        Generation : P=  163.00 MW Q=    6.69 Mvar
        PQ_load    : P=    0.00 MW Q=    0.00 Mvar
        Z_shunt    : P=    0.21 MW Q=    0.21 Mvar
   -->  BUS_7      : P=  162.79 MW Q=    6.48 Mvar

3 : BUS_3  V= 1.025 pu/13.8kV 4.56 deg
        Generation : P=   85.00 MW Q=  -10.78 Mvar
        PQ_load    : P=    0.00 MW Q=    0.00 Mvar
        Z_shunt    : P=    0.21 MW Q=    0.21 Mvar
   -->  BUS_9      : P=   84.79 MW Q=  -10.99 Mvar

4 : BUS_4  V= 1.026 pu/230kV -2.23 deg
        Generation : P=    0.00 MW Q=    0.00 Mvar
        PQ_load    : P=    0.00 MW Q=   -0.00 Mvar
        Z_shunt    : P=   -0.00 MW Q=  -17.60 Mvar
   -->  BUS_1      : P=  -71.97 MW Q=  -23.45 Mvar
   -->  BUS_5      : P=   41.12 MW Q=   31.92 Mvar
   -->  BUS_6      : P=   30.85 MW Q=    9.12 Mvar

5 : BUS_5  V= 0.996 pu/230kV -4.00 deg
        Generation : P=    0.00 MW Q=    0.00 Mvar
        PQ_load    : P=  125.00 MW Q=   50.00 Mvar
        Z_shunt    : P=   -0.00 MW Q=  -23.98 Mvar
   -->  BUS_4      : P=  -40.87 MW Q=  -29.74 Mvar
   -->  BUS_7      : P=  -84.13 MW Q=    3.72 Mvar

6 : BUS_6  V= 1.013 pu/230kV -3.70 deg
        Generation : P=    0.00 MW Q=    0.00 Mvar
        PQ_load    : P=   90.00 MW Q=   30.00 Mvar
        Z_shunt    : P=   -0.00 MW Q=  -26.58 Mvar
```

```
      -->   BUS_4       : P=  -30.68 MW Q=   -8.22 Mvar
      -->   BUS_9       : P=  -59.32 MW Q=    4.80 Mvar


7 : BUS_7  V= 1.026 pu/230kV 3.62 deg
          Generation : P=     0.00 MW Q=    0.00 Mvar
          PQ_load    : P=     0.00 MW Q=   -0.00 Mvar
          Z_shunt    : P=    -0.00 MW Q=  -24.01 Mvar
      -->   BUS_2       : P= -162.79 MW Q=    9.31 Mvar
      -->   BUS_5       : P=   86.38 MW Q=    7.69 Mvar
      -->   BUS_8       : P=   76.41 MW Q=    7.01 Mvar


8 : BUS_8  V= 1.016 pu/230kV 0.63 deg
          Generation : P=     0.00 MW Q=    0.00 Mvar
          PQ_load    : P=   100.00 MW Q=   35.00 Mvar
          Z_shunt    : P=     0.00 MW Q=  -18.49 Mvar
      -->   BUS_7       : P=  -75.93 MW Q=   -2.99 Mvar
      -->   BUS_9       : P=  -24.07 MW Q=  -13.52 Mvar


9 : BUS_9  V= 1.032 pu/230kV 1.87 deg
          Generation : P=     0.00 MW Q=    0.00 Mvar
          PQ_load    : P=    -0.00 MW Q=   -0.00 Mvar
          Z_shunt    : P=    -0.00 MW Q=  -30.32 Mvar
      -->   BUS_3       : P=  -84.79 MW Q=   15.07 Mvar
      -->   BUS_6       : P=   60.64 MW Q=    0.99 Mvar
      -->   BUS_8       : P=   24.15 MW Q=   14.26 Mvar
```