









```
# Measurement of power in 3 phase circuit/syr on:

W=VLIL cos(30-p)

Wz=VLIL cos(30+p)

Wz=VLIL cos(30+p)
          = V_I_ [ (05 (30-$) + c05 (30+$)]
           = V_I_(cos30cos $+ sin3bsing + cos30cos $- sin30sin $)
           = V_I_ (2 cos30 cos 6)
           = VIIL ( 2x V3 (056)
  WITWZ = V3 VLIL cos & - ()
 W1-W2 - VLILCOS(30- $) - VLI (05(30+ $)
          = VLIL [ cos(30-$) cos(30+$)]
          = V_II_[cossocos & + sinsosin & - (cossocos & - sinsosin &)]
           = VLIL [cossocbs + = msosind-cossocos + sinsosing]
           = VLIL [2stn3osing]
            = VLIL [ XX sing]
    WI-WZ= VLIL sing - 3
```







