Current in 5-52 resistor Determine voltage egn e for supper node. V2-V3=20-By applying KCL as mil ( (1/3)/1+(2)/2=1010.831, - 0.512=10 Applying KCL as Suppenhale V3 - - ) · 4 V -0.5 V, +1.5 V2 + 0 , 7 V3 - 2 T3 = V3 - 10 **一 8 · 4 - 1 0** +3 = -3.68 A DIVERED 5 ( y do co 5 6 Writing Noltage Egn For Supernode

VI-V2 = 10 (1) Applying KCL our supernel de 0.37 + 1.2 V2= 1.33 V2 KCL At nake 3 -0.33V, - V2+1,83V3=0 3.72 N3 = 4.5 | V Power, delivered by SA-source. TP = (8.6 Watt),

Super Node Analysis