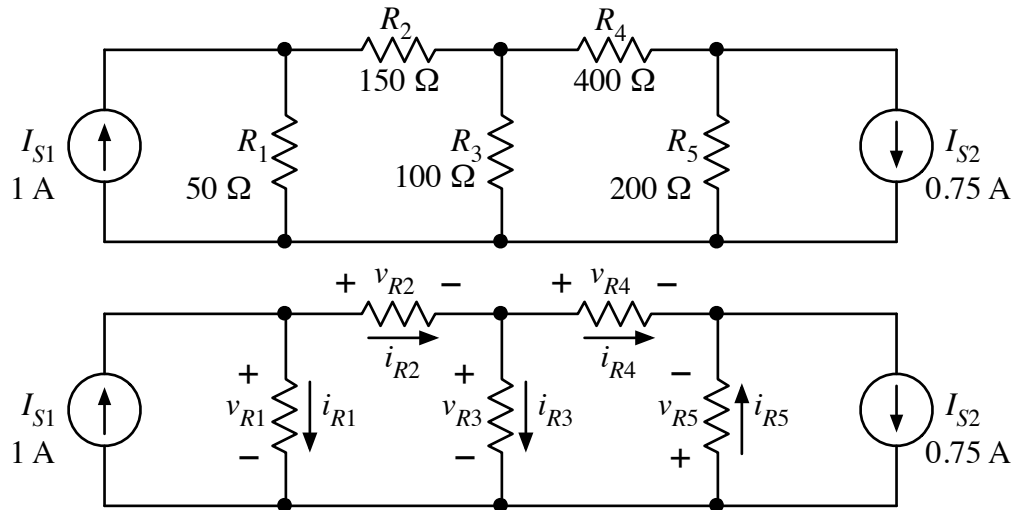


In the circuit shown, it is known that the current source  $I_{S1}$  is generating 37.5 W of power and source  $I_{S2}$  is generating 75 W. (Note that both are generating — neither is absorbing power.) Calculate the voltage across each resistor and the corresponding power dissipation for each.



$v_{R1} =$  \_\_\_\_\_ ;  $P_{R1} =$  \_\_\_\_\_

$v_{R2} =$  \_\_\_\_\_ ;  $P_{R2} =$  \_\_\_\_\_

$v_{R3} =$  \_\_\_\_\_ ;  $P_{R3} =$  \_\_\_\_\_

$v_{R4} =$  \_\_\_\_\_ ;  $P_{R4} =$  \_\_\_\_\_

$v_{R5} =$  \_\_\_\_\_ ;  $P_{R5} =$  \_\_\_\_\_