

1. 
$$la \times R1 + r2 \times (la - lb) - U1 = 0$$
  
2.  $r3 \times lb + U2 + r2 \times (lb - la) = 0$ 

$$6la + 15la - 15lb - 10 = 0$$
  
 $20lb + 100 + 15lb - 15la = 0$ 

$$170lb = -650$$

$$1b = -3.82$$

$$211a = -47.35$$

$$1a = 2.25$$

$$Ia = 2.25 A$$

R1 = 60

R2 = 15 O

R3 = 20 O

U1 = 10 V

U2 =100 V

$$1b = -3.82 A$$