Example 4.7: Source Transformation ( PP 138 GUEEL Sadiku) to a sigle loop. The army some transformation by reducing the cicit 6v (±) 2 0.25 v<sub>x</sub> (±) 18 v  $-3 + i + \frac{1}{2} + \frac{1}{4}i + \frac{1}{1}8 = 0$ 5i+ux = -15 also -3 + 2 + Un =0 So i = 3-02 Hence 5(3-Un) + Un =-15 15-5Un+Un = - 15

 $-4U_{n} = -30$ 

1 = 7.5 V