Assignment 1 A KCLDA Va-20 + Vata + Va+16 = 0 214-40 L/Va -22. Va = 5.5> i = Va+2 = [1.875 A Vb=1.875.3 =5.625

Va-b = -125 V  $P_{aA} = 2A \cdot V_{a-b} = /.25 \text{ W}$ (#2) Remore 2A and 16V 2017 Zi Z3sc 2n 8 R=2+4114=42 1a= 20/R = 5A  $i = ia \times 4 = 2.5A$  $V_{1} = i \quad x_{1} = 2.5 \text{ V}$ Perone 20 V and 16 V 2 V(4)

LIL 2<sup>1</sup>/<sub>4</sub> 41/-2 = マー な レ  $-i_2 = \frac{3}{4} = -375 A = 7i_2 = .375 A$  $V_2 = -1(2-.375) = -1.62$  V Penone 20V and 2A

$$R = 4 + 2114 = 5.333$$

$$T = \frac{1}{232/6} = 3A$$

$$i_3 = -\frac{2}{6} \times 3 = -1A$$

$$i_3 = -1V$$

$$V = V_1 + V_2 + V_5 = -.025$$
 $P = V1 = 0.25$ 

$$R_{1h} = 1 + 2||4| = \frac{14}{6} = 2.33p$$

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$$R_{2h} = \frac{1}{3} = \frac{1}{$$

is = 1/31/4 = 1.875 A Dut of the 3 methodo, I would recommend the source transformation, it was the easier method to me.