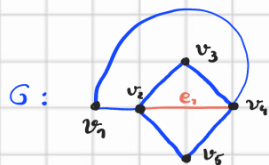


## Aula 26

Exome de Recurso 21/07/2021



$$\tau(G) = \tau(G - e) + \tau(G // e)$$

$$e_1 = v_2 v_4 = \tau\left(\text{graph with loop at } v_2\right) + \tau\left(\text{graph with loop at } v_4\right)$$

$2 \times 2 \times 2 = 8$

$$e_2 = v_1 v_2 = \tau\left(\text{graph with loop at } v_1\right) + \tau\left(\text{graph with loop at } v_2\right) + 8$$

$$e_3 = e_1 = \underbrace{\tau(\text{graph with loop at } v_1)}_4 + \underbrace{\tau(\text{graph with loop at } v_2)}_4 + \underbrace{\tau(\text{graph with loop at } v_4)}_{2 \times 2} + 8$$

$$= 4 + 4 + 4 + 8$$

$$= 20$$