$$C(o) = oV$$

$$C(o) = oA$$

$$D = oV$$

$$L(0^{\dagger}) = 0A \text{ mosen}$$
 $U_{1}(0^{\dagger}) = 10.5 = 2V$

$$t = a:$$

$$t$$

$$\mathcal{E}(\mathbf{a}) = \frac{10}{5} = 2A$$

$$V_{1}(\mathbf{a}) = 10V$$

PTH:
$$R_{TH} = 5/120 = 4\Omega$$
 \Rightarrow $T = \frac{L}{R} = \frac{12}{4} = 3\Omega$

$$C_{1}(E) = -8e^{-\frac{L}{3}} + 10, \quad 0 < E < 2$$

$$L(E) = -2e^{-\frac{L}{3}} + 2, \quad 0 < E < 2$$

$$T_{1} = 3\Omega$$

$$\underline{\mathcal{E}} = \underline{2}$$
: $\underline{\mathcal{E}}(\underline{2}) = -2e^{-\frac{2}{3}} + 2 = -2e^{-\frac{1}{15}} + 2 = -2 \cdot \frac{1}{2} + 2 = 1 A$

$$C[V_{S}=0]$$

$$E=2^{+}: \text{ ov } (\overline{z})$$

$$SHOPT$$

$$5$$

$$\dot{c}(2^{\dagger}) = \dot{c}(2^{-}) = 1A$$

$$\dot{c}_{1} = 1.(5/120) = 1.4 = 4V$$

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PTH: SAME AS BEFORE
$$\Rightarrow$$
 $T = 30$

$$T_1(E) = 4e^{-\frac{E}{3}} + 0$$

$$A_2 = 4V$$

$$B_2 = 0V$$

$$T_2 = 3D$$