Thermo Dynamires
$$P = \frac{RT}{V-b} - \frac{\alpha}{V^{3}}$$
Solve
$$V = 5, \text{ find } T$$

$$V = 3, \text{ find } T$$

$$P + \frac{\alpha}{V^2} = \frac{RT}{V-b'} = \frac{R}{V-b} \cdot T$$

$$\frac{\sqrt{-b} \left[ p + \frac{\alpha}{\sqrt{2}} \right] = T}{\sqrt{-b} \left[ 10 + \frac{1}{25} \right]} = \frac{1}{\sqrt{10.061}}$$

electricity: capacitors
$$\frac{1}{C} = \frac{1}{C_{3}} + \frac{1}{C_{1} + C_{3}}$$

$$\frac{1}{C_{2}} = \frac{1}{C_{2}} \cdot \frac{1}{C_{1} + C_{3}}$$

$$\frac{1}{C_{2}} = \frac{1}{C_{2}} \cdot \frac{1}{C_{1} + C_{3}}$$

$$\frac{1}{C_{2}} = \frac{1}{C_{2}} \cdot \frac{1}{C_{2}} \cdot \frac{1}{C_{2}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{2}}$$

$$\frac{1}{C_{2}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}}$$

$$\frac{1}{C_{2}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}}$$

$$\frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}}$$

$$\frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}}$$

$$\frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}} = \frac{1}{C_{3}} \cdot \frac{1}{C_{3}}$$

$$\frac{1}{C_{3}} = \frac{1}{$$

$$D = \frac{WX^{4}}{24E \cdot I} - \frac{4WLX^{3}}{46 \cdot E \cdot I} + \frac{6WL^{2}X^{3}}{64 \cdot E \cdot I}$$

$$\frac{D}{I} = \frac{wx^{4} - 4wLx^{3} + 6wL^{2}x^{2}}{24EI} = w(x^{4} - 4Lx^{3} + 6L^{2}x^{2})$$

Your boat travels on flatwater at 5 km/h. You go up river, for 5 k. The current is pushing at v km/h. Then you go downriver for 5k. How long did it take you?

upstream
travel true

$$T = \frac{D}{R} = \frac{S}{V-5}$$

$$T = \frac{D}{R} = \frac{S}{V+5}$$

$$T = Tu + Tb = \frac{S}{V-5} + \frac{S}{V+5} = \frac{S(V+5)}{V^2-25}$$

$$= \frac{SV+25}{V^2-25}$$