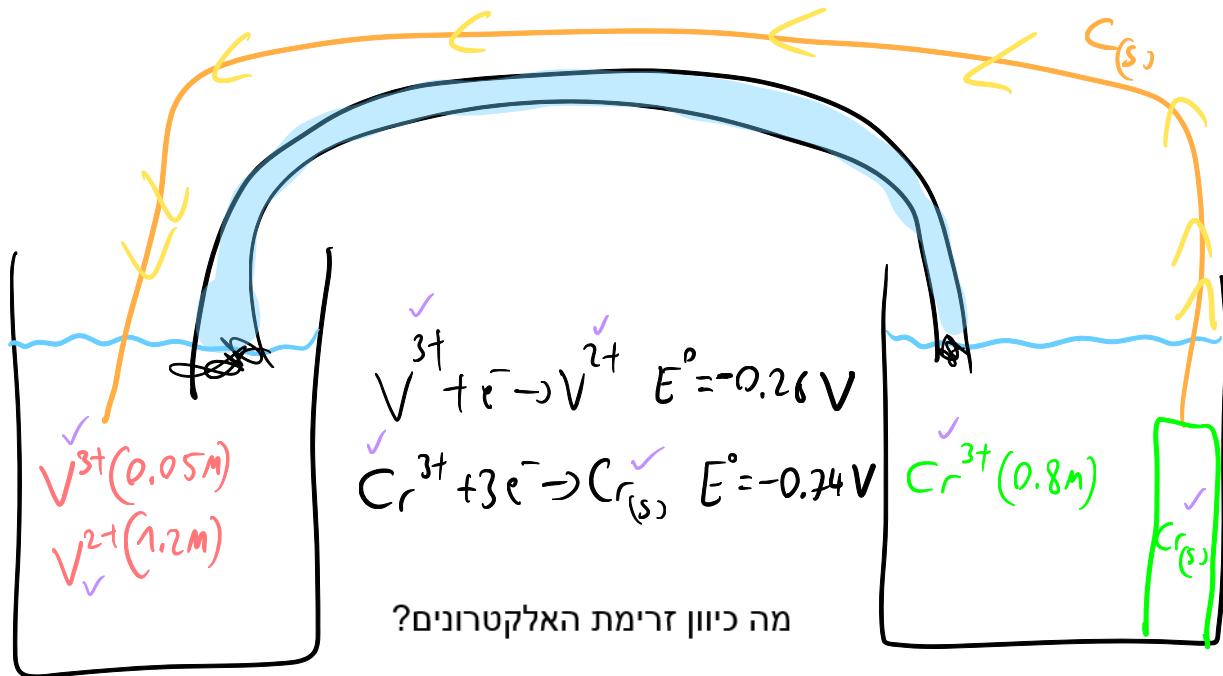


$$E = E^\circ - \frac{RT}{nF} \ln \frac{[Cr^{3+}] \cdot [V^{2+}]^3}{[V^{3+}]^3}$$

$$E = +0.48V - \frac{8.31447 \frac{J}{mol \cdot K} \cdot 298.15K}{3 \cdot 9.65 \cdot 10^4 \frac{C}{mol}} \cdot \ln \frac{0.8 \cdot (1.2)^3}{(0.05)^3}$$

$$E = +0.4V$$

