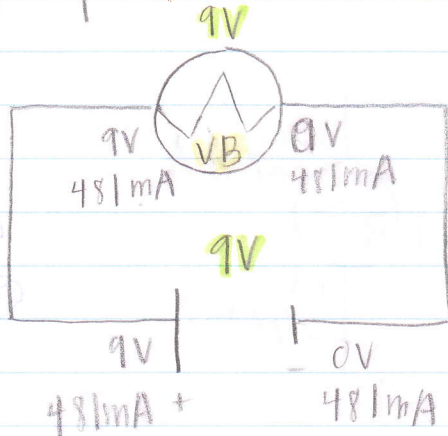


Team 6

cody pham, alison shelton, Emily Recco

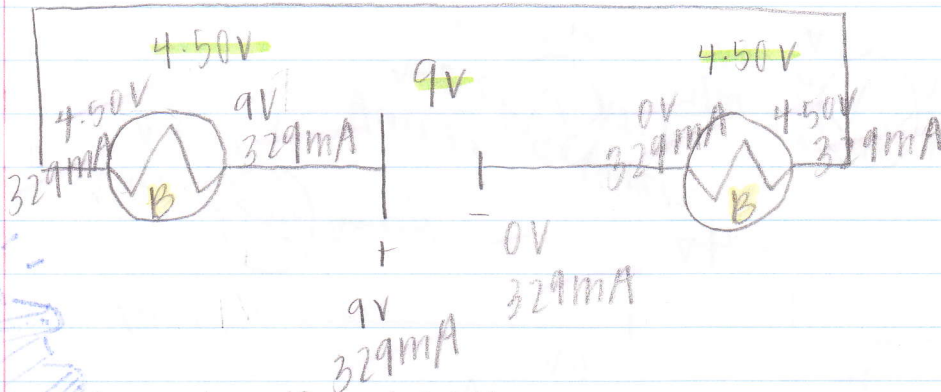
Electric Circuit CP LAB

① 1 lamp in series



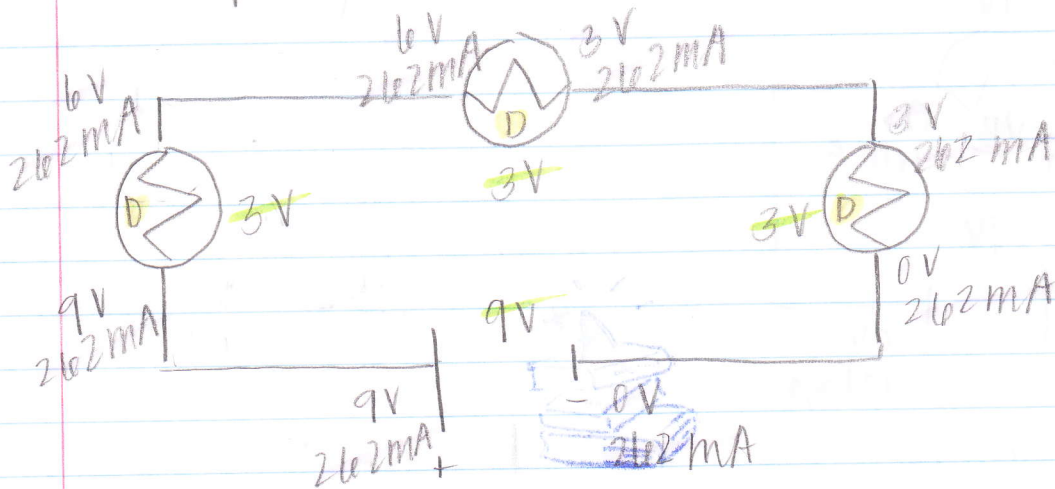
$$R = \frac{V}{I} \quad R = \frac{9V}{.481A} \approx 18.7 \Omega$$

② 2 lamps in series



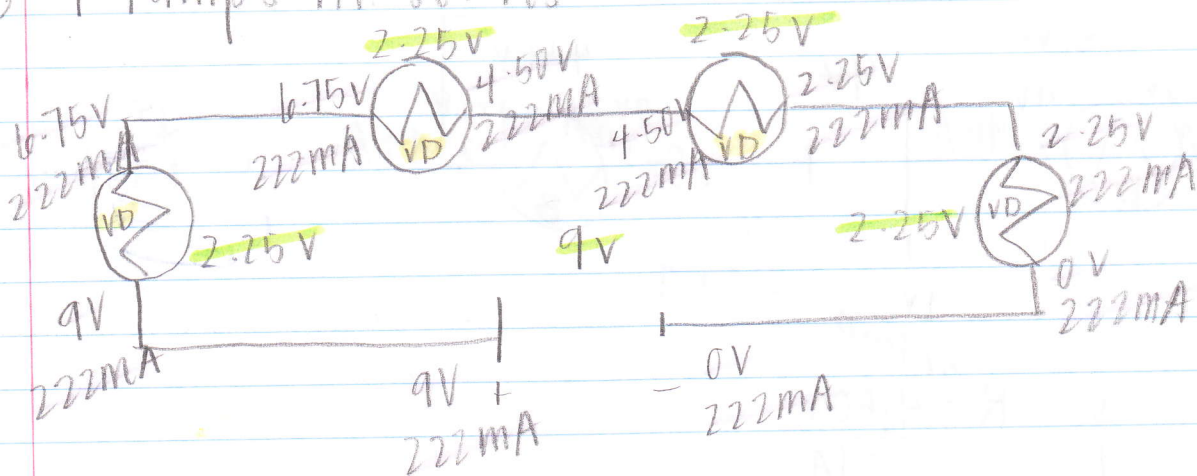
$$R = \frac{V}{I} \quad R = \frac{4.50V}{.329A} \approx 13.68 \Omega$$

③ 3 lamps in series



$$R = \frac{V}{I} \quad R = \frac{3V}{.262A} \approx 11.45 \Omega$$

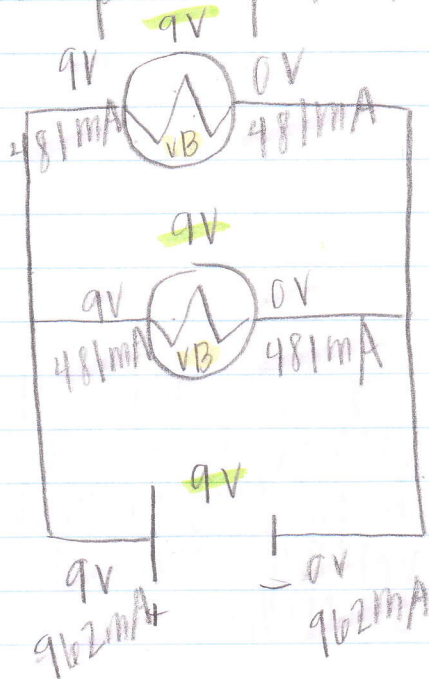
④ 4 lamps in series



$$R = \frac{V}{I} \quad R = \frac{2.25V}{.222A} \approx 10.14 \Omega$$

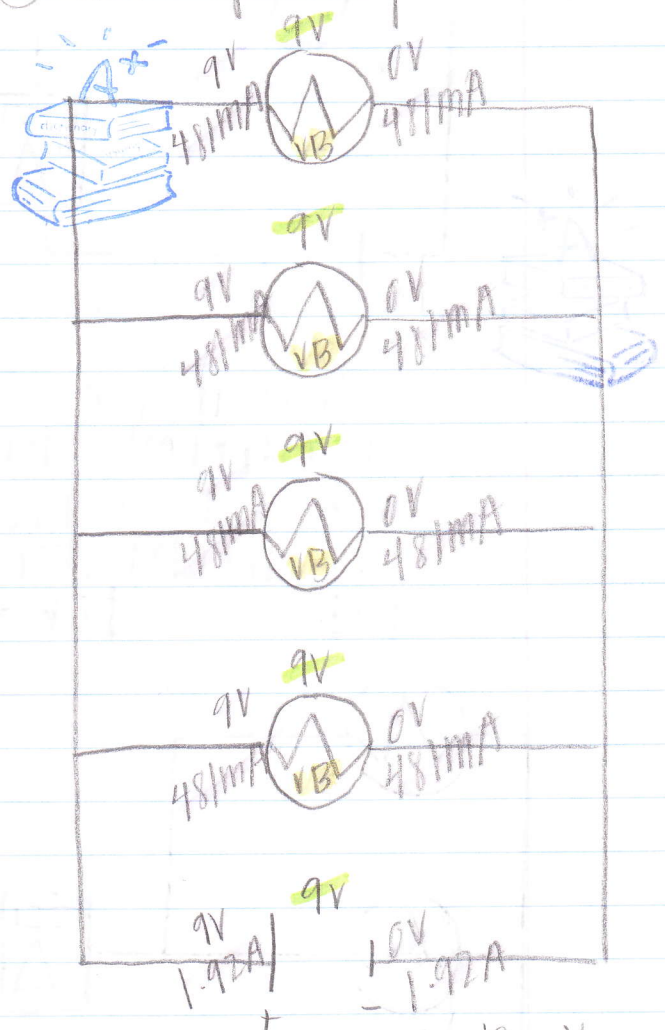
Electric Circuit Lab cont'd

⑤ 2 lamps in parallel

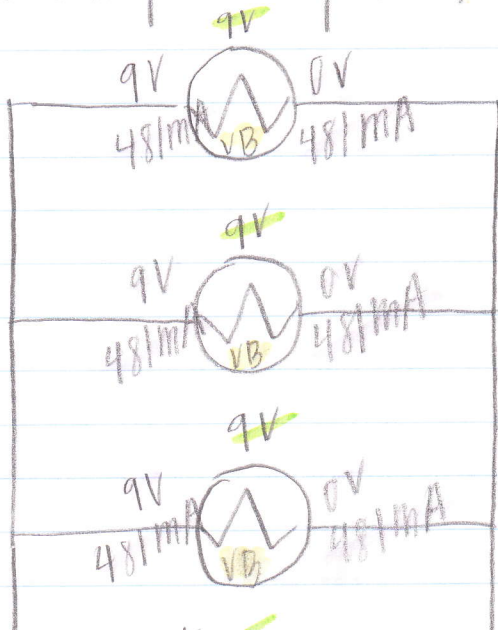


$$R = \frac{V}{I} \quad R = \frac{9V}{.481A} \approx 18.71 \Omega$$

⑦ 4 lamps in parallel



⑥ 3 lamps in parallel



$$R = \frac{V}{I} \quad R = \frac{9V}{.481A} \approx 18.71 \Omega$$

$$R = \frac{V}{I} \quad R = \frac{9V}{.481A} \approx 18.71 \Omega$$