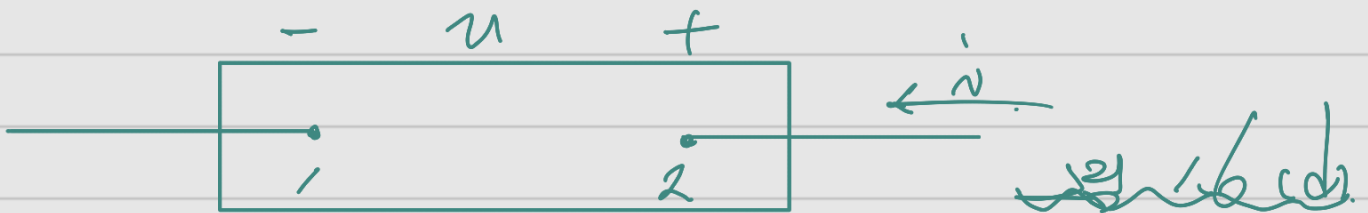


1.12 The references for the voltage and current at the terminal of a circuit element are as shown in Fig. 1.6(d). The numerical values for v and i are 40 V and -10 A.

- Calculate the power at the terminals and state whether the power is being absorbed or delivered by the element in the box.
- Given that the current is due to electron flow, state whether the electrons are entering or leaving terminal 2.
- Do the electrons gain or lose energy as they pass through the element in the box?



a)에서 $P = -400 \text{ W}$. & ~~흡수~~ \rightarrow ~~전달~~

b)에서 $i = -10 \text{ A}$ 일때. electron flow이냐?
 entering 인가요?

c)에서 electron ~~가~~ going ~~2~~ / ~~오~~ 인?
 어떻게 판별하나요?

정답.