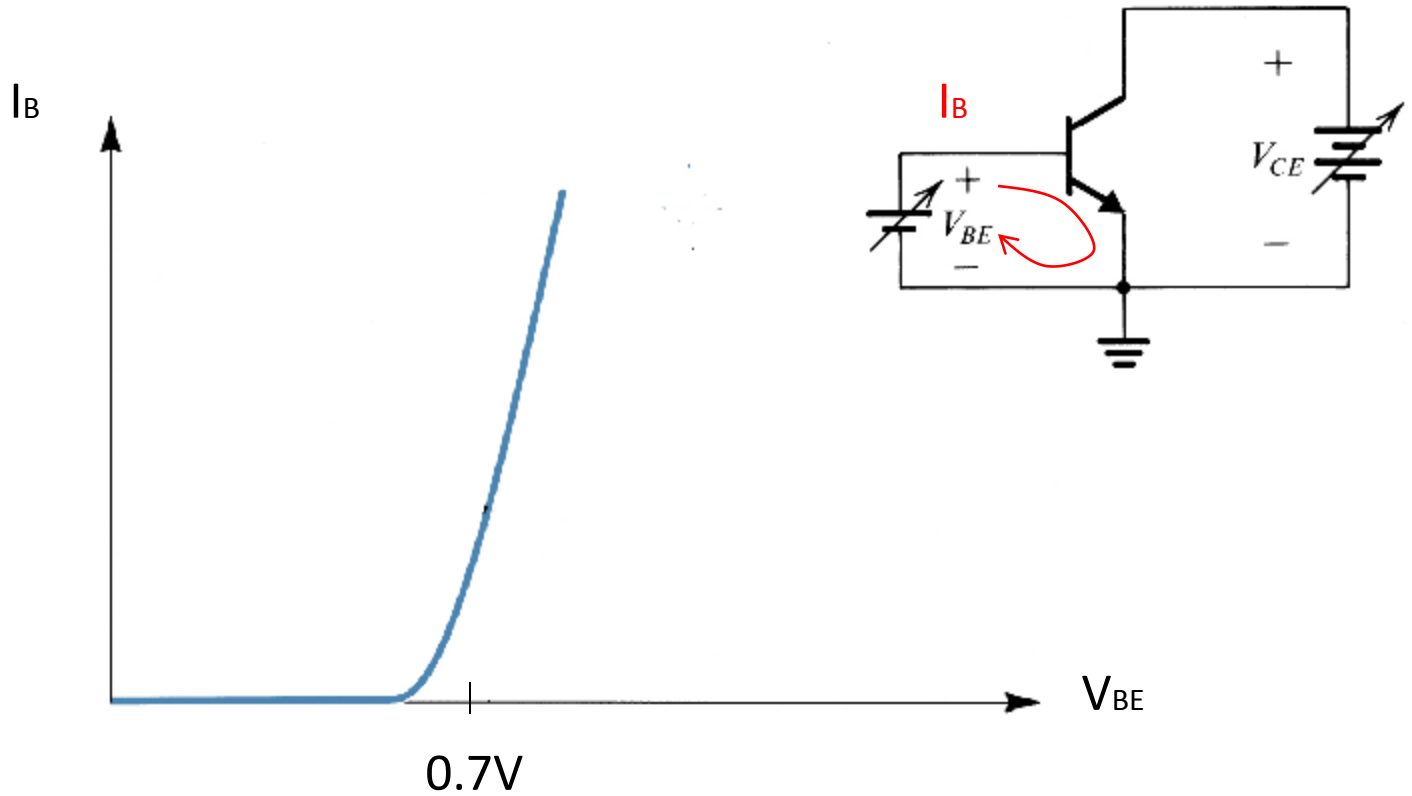
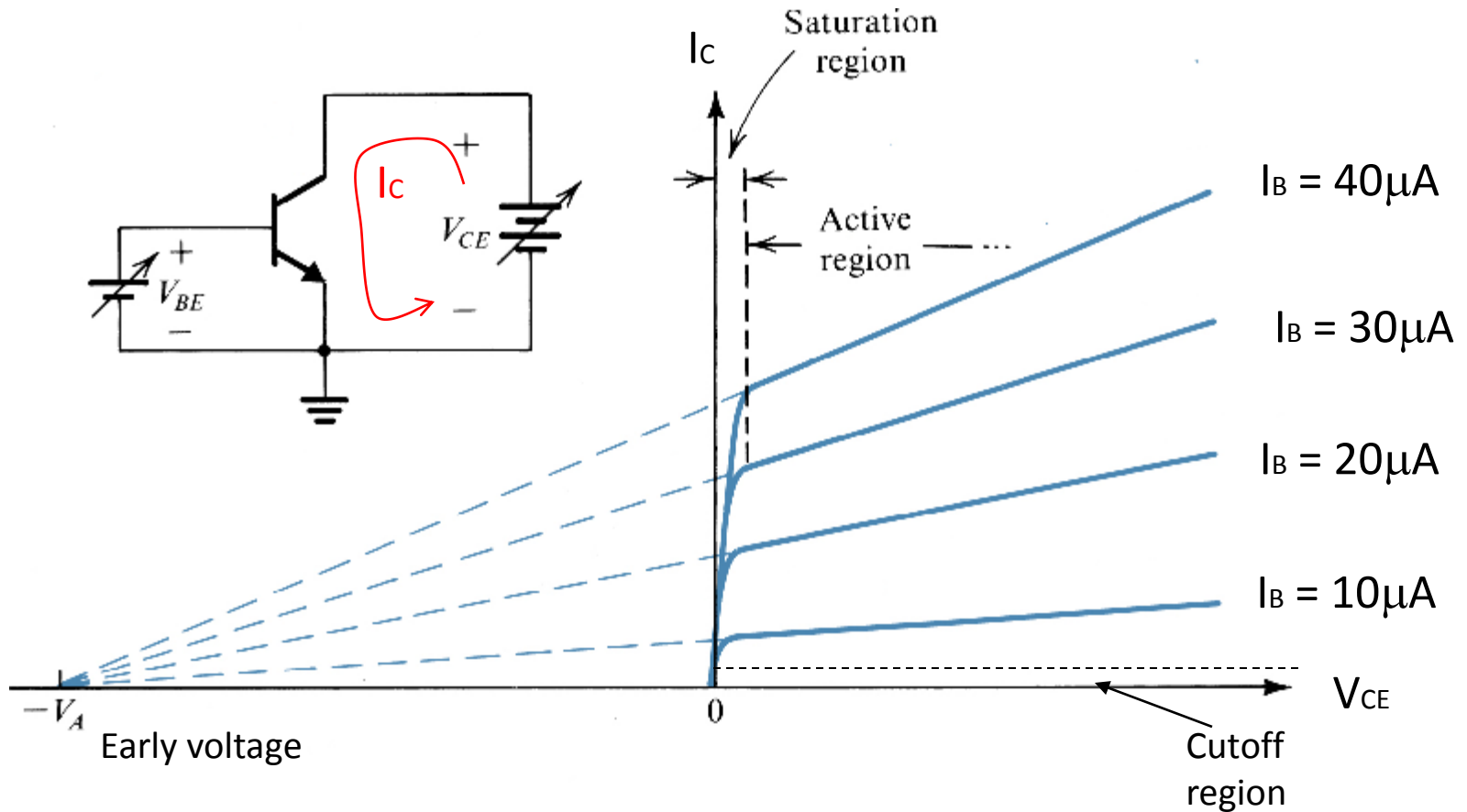


Input characteristics



- Acts as a diode
- $V_{BE} \approx 0.7V$

Output characteristics



- At a fixed I_B , I_C is not dependent on V_{CE}
- Slope of output characteristics in linear region is near 0 (scale exaggerated)

Biasing a transistor

- We must operate the transistor in the linear region.
- A transistor's operating point (Q-point) is defined by I_C , V_{CE} , and I_B .

