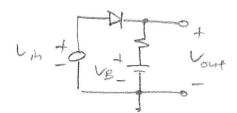
1. Plot TIP-Of char. Assume constant-voltage model, VB=IV



a) 1

b) Vant

c) Vort

d) Vort

O Given the following cir.

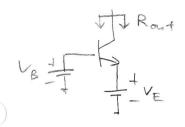
Vosint to A Vout

Assume constant voltage diodes and Vo > Vo, on . What is the maximum magnitude that Vort could achieve ?

- a) Vo- VD,000
- b) Vo, 04
- c) Vo
- d) Vot Vo, on

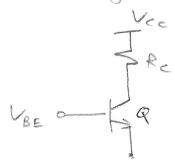
3. Find the input vesistance of the base of Q,

4. Determine the output resistance, VA +0



5. What B Rout? Assume 12 = 00, VA 70.

6. What value of Is would cause the transition of to be on the edge of Saturation?



8. Find the gam. Va = a.