



Problem 5 (30 points)

- (e) Let V_A be finite. Draw the small-signal circuit with the transistor hybrid- π model. How to determine the hybrid- π model parameters (expressions)?
- (a) Derive the equivalent input resistance R_{ib} .
- (b) Derive the small-signal voltage gain.
- (c) Bonus (5 points) Comment on the type and main features of the amplifier circuit. (Work with symbols for Problem 5)

