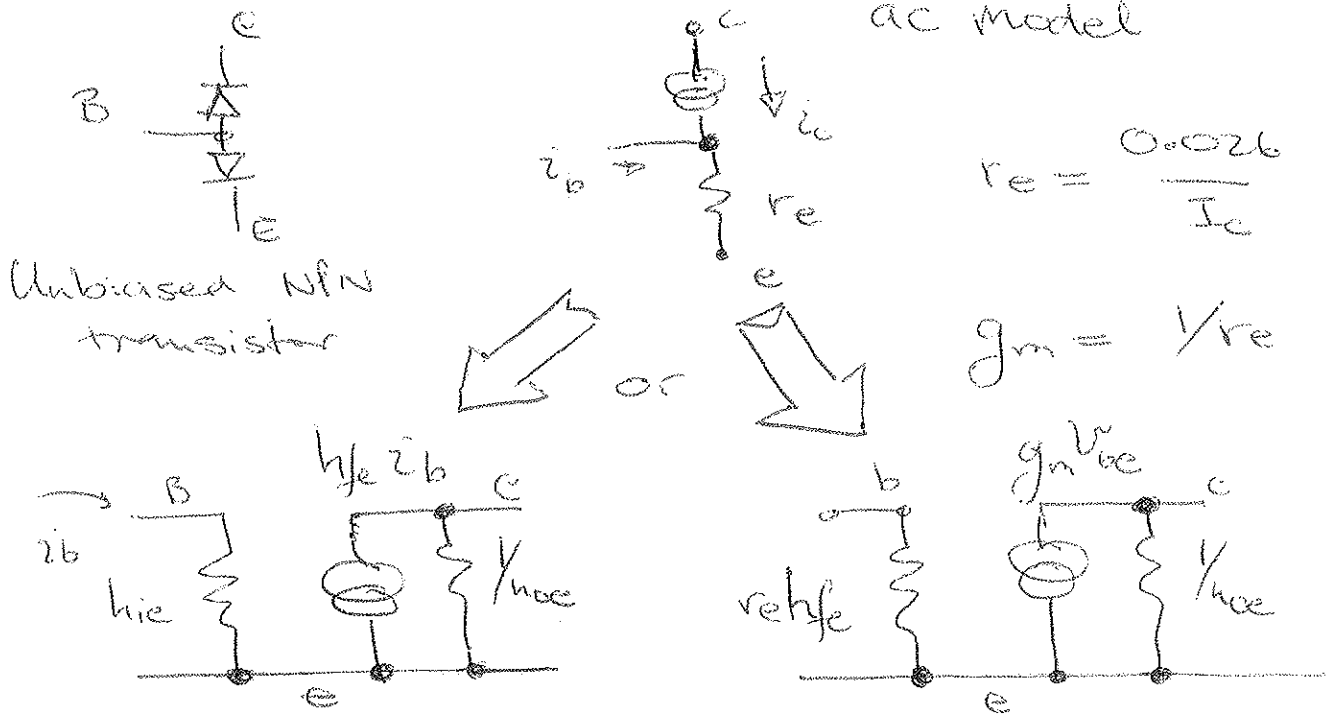


# ENEL434 Electronic II.

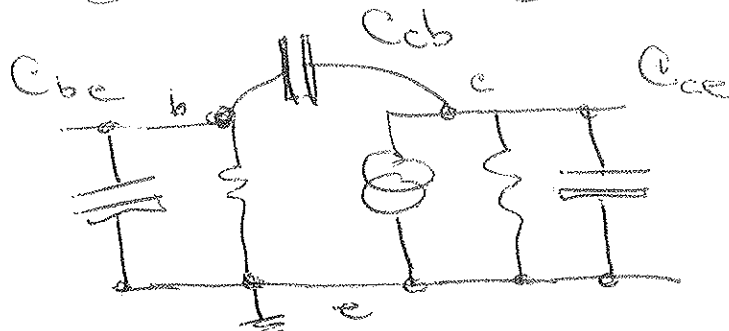
## Basic BJT Models.



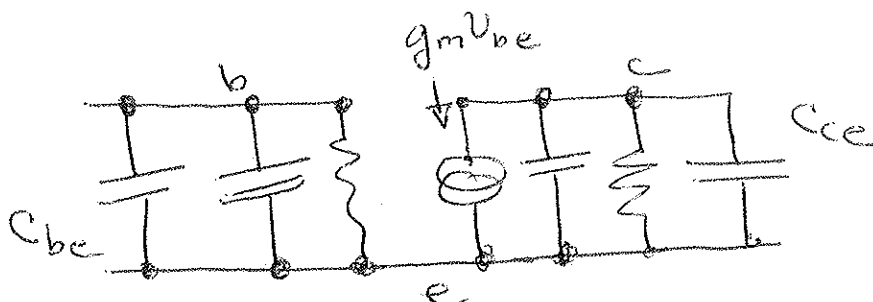
The h parameter model.  
This is a current-controlled  
current source.

Transconductance model.  
A voltage-controlled  
current source.

## Adding the stray capacitances.



More convenient.



$$C_{bequ} = (1 - A_v) C_{cb}$$

$$C_{cequ} = \left( \frac{1 - A_v}{|A_v|} \right) C_{ce}$$