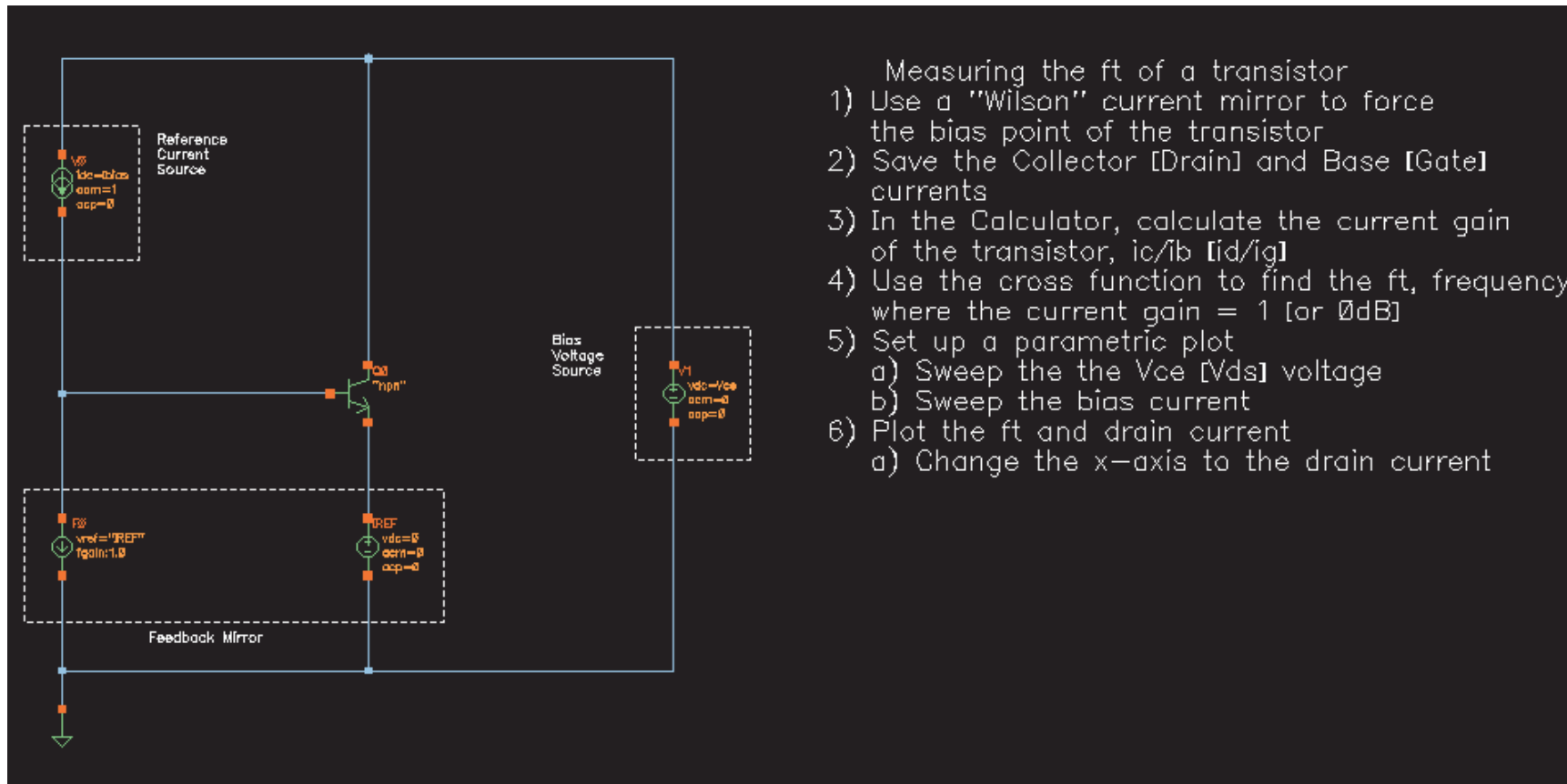


f_t Testbench



- Measuring the f_t of a transistor
- 1) Use a "Wilson" current mirror to force the bias point of the transistor
 - 2) Save the Collector [Drain] and Base [Gate] currents
 - 3) In the Calculator, calculate the current gain of the transistor, i_c/i_b [i_d/i_g]
 - 4) Use the cross function to find the f_t , frequency where the current gain = 1 [or 0dB]
 - 5) Set up a parametric plot
 - a) Sweep the the V_{ce} [V_{ds}] voltage
 - b) Sweep the bias current
 - 6) Plot the f_t and drain current
 - a) Change the x-axis to the drain current

f_t vs. V_{ce} and I_c

