Fill out information below and attach this cover sheet to the FRONT of your HW.
If you do not (or enter incorrect information) you WILL loose 10 points on the HW.

NAME:_____
SID #:_____
Circle One: EE42 / EE100
If EE100, Lab Day:_____,Time:_____

EE 100

Homework # 7

L. Chua — Fall 2008
Issued : Oct. 10 — Due : Oct. 17

1. Problem 5.2 p.176
2. Problem 5.5 p.176

3. (*a*) Assuming the nonlinear ideal op-amp model with $E_{sat} = 15$ V, derive and sketch the driving-point characteristic for the one-port shown in Fig. P4.14.

(*b*) Connect a linear resistor R_1 across the one-port, and find the maximum value of the resistance for which the one-port functions as an independent current source.

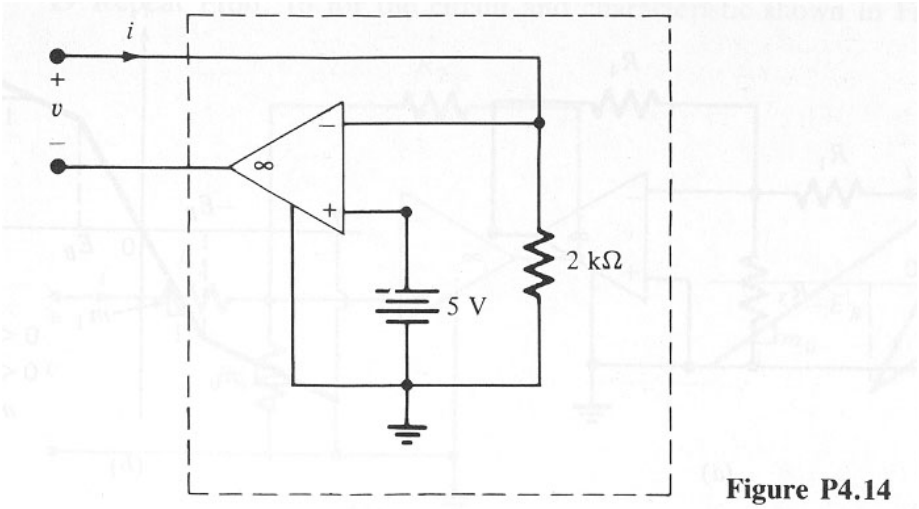

Figure P4.14