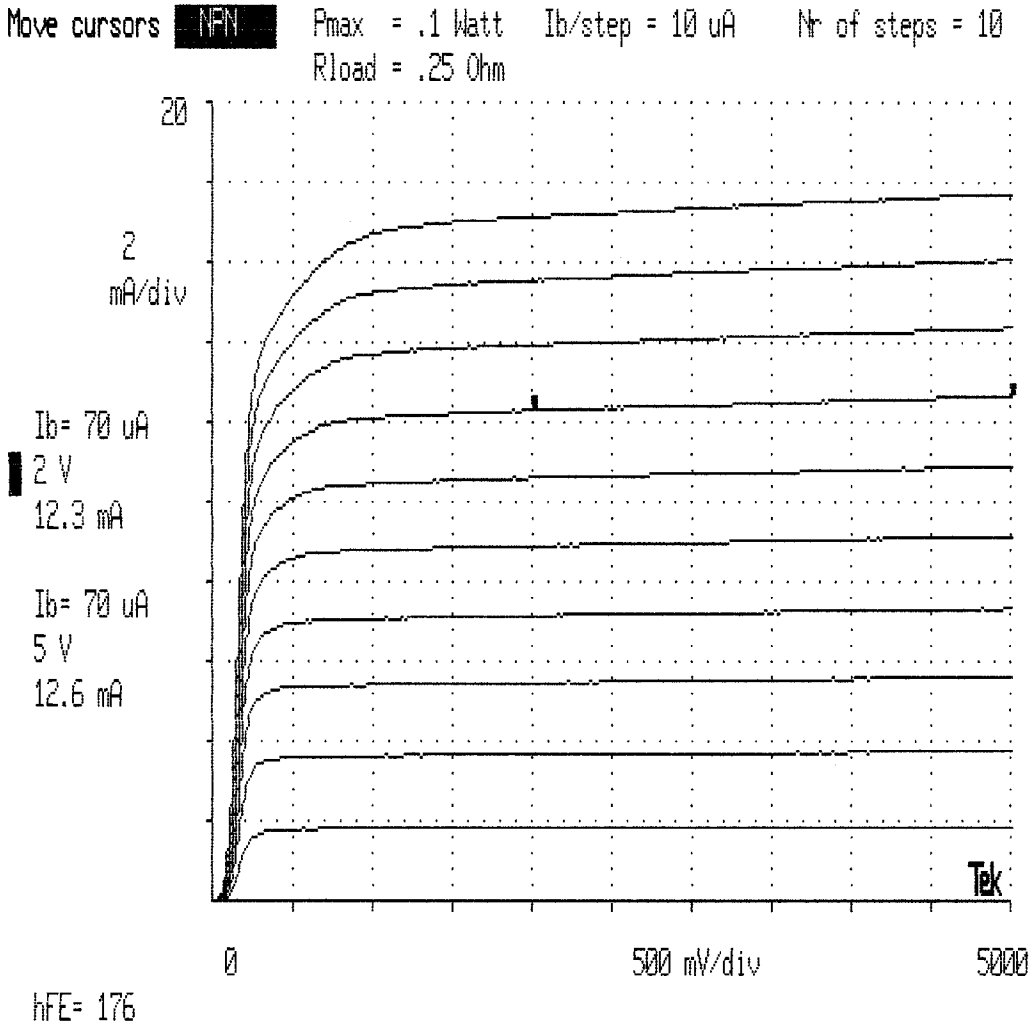
TEKTRONIX 571 Curve Tracer

Q1



Screen copy (since power up) #6

$$m = \frac{12.6\,mA - 12.3\,mA}{5V - 2V} = 0.1\,\frac{mA}{V}$$

$$y_2 - y_1 = m(x_2 - x_1)$$

$$12.3\,mA = 0.1\,\frac{mA}{V}(2V + V_A)$$

$$V_A = 121\,V$$

}

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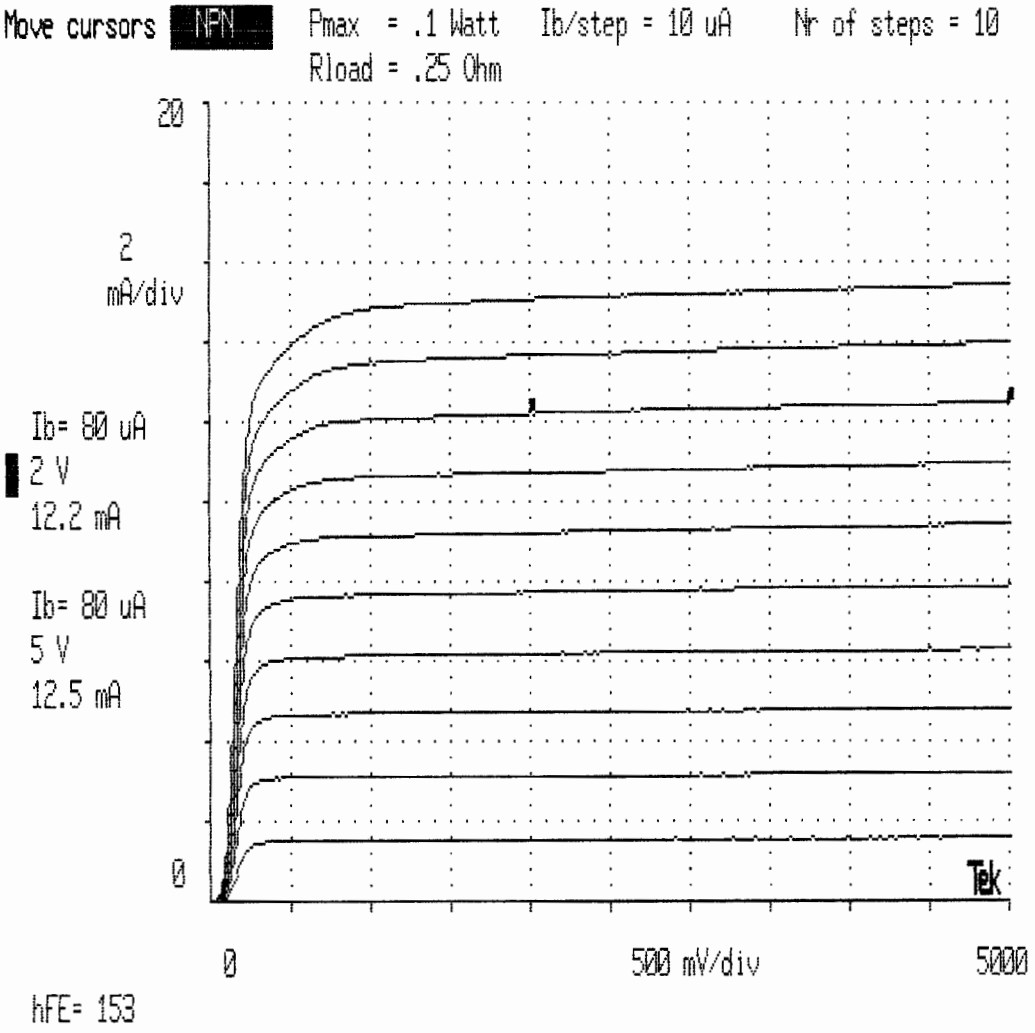
Q2



Screen copy (since power up) #1

$$m = \frac{12.5mA - 12.2mA}{5V - 2V} = 0.1\ mA/V$$

$$y_2 - y_1 = m(x_2 - x_1)$$

$$12.2mA = 0.1\frac{mA}{V}(2V + V_A)$$

$$V_A = 120\ V$$

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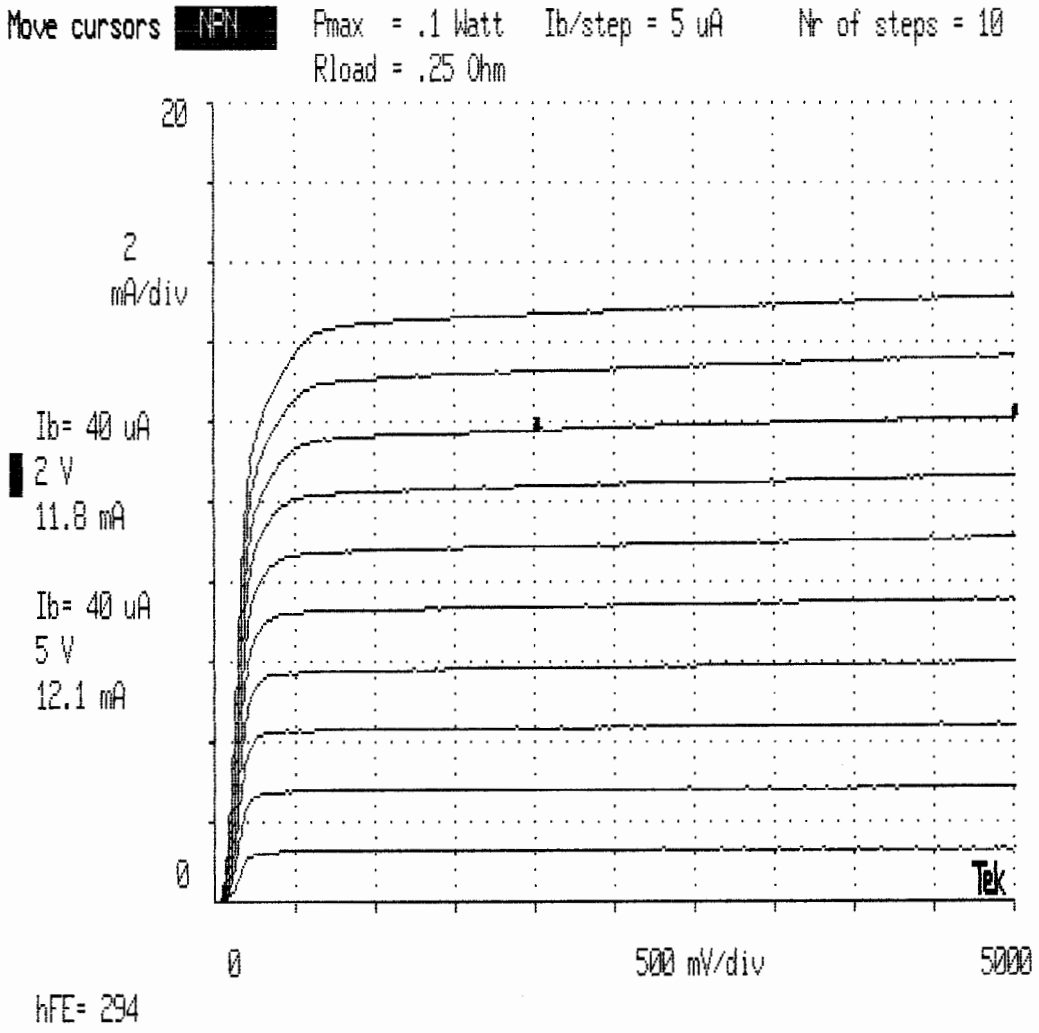
Q3



Screen copy (since power up) #2

$$m = \frac{12.1\,mA - 11.0\,mA}{5V - 2V} = 0.1\ \frac{mA}{V}$$

$$y_2 - y_1 = m(x_2 - x_1)$$

$$11.0\,mA = 0.1\ \frac{mA}{V}(2V + V_A)$$

$$V_A = 116\ V$$

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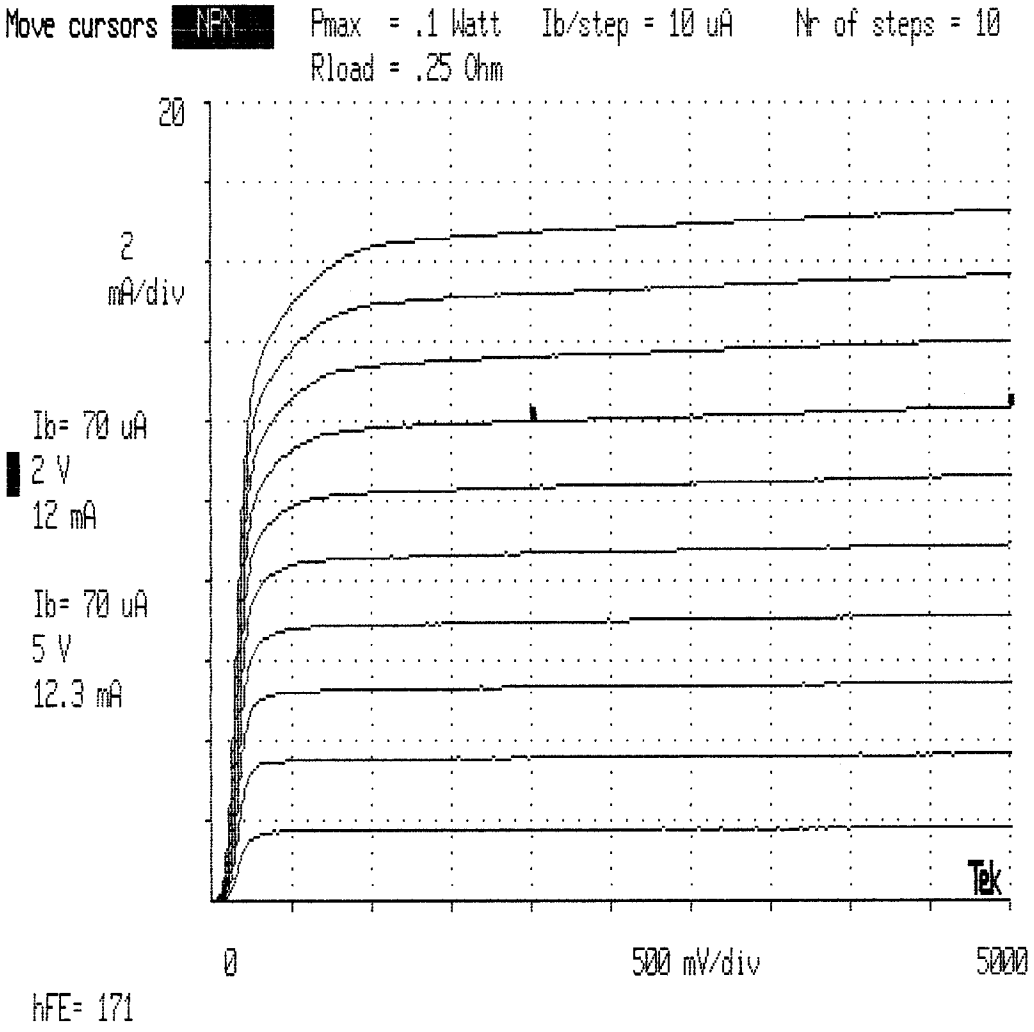
Q4



Screen copy (since power up) #7

$$m = \frac{12.3\,mA - 12.0\,mA}{5V - 2V} = 0.1\ \frac{mA}{V}$$

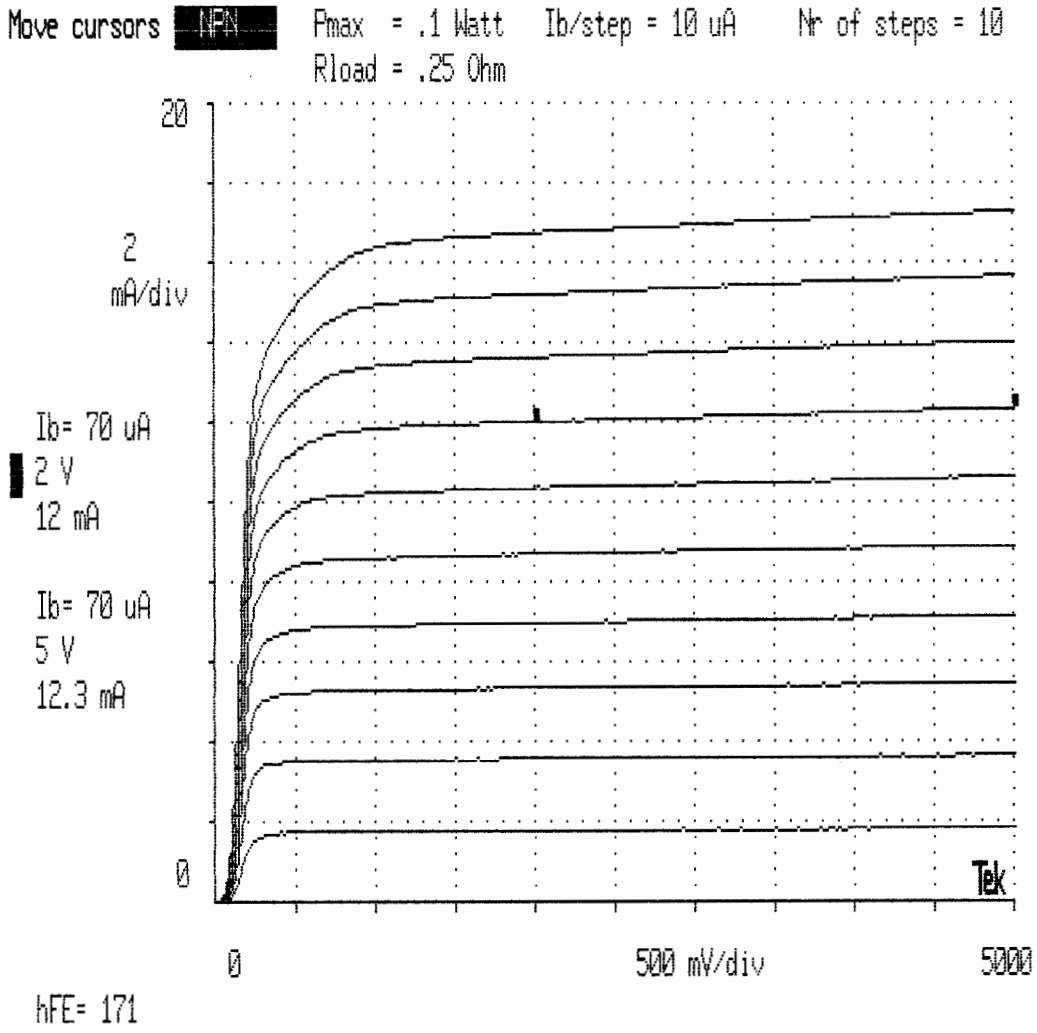
$$y_2 - y_1 = m(x_2 - x_1)$$

$$12\,mA = 0.1\ \frac{mA}{V}(2V + V_A)$$

$$V_A = 118\ V$$

TEKTRONIX 571 Curve Tracer

Q5



Screen copy (since power up) #3

$$m = \frac{12.3mA - 12mA}{5V - 2V} = 0.1mA/V$$

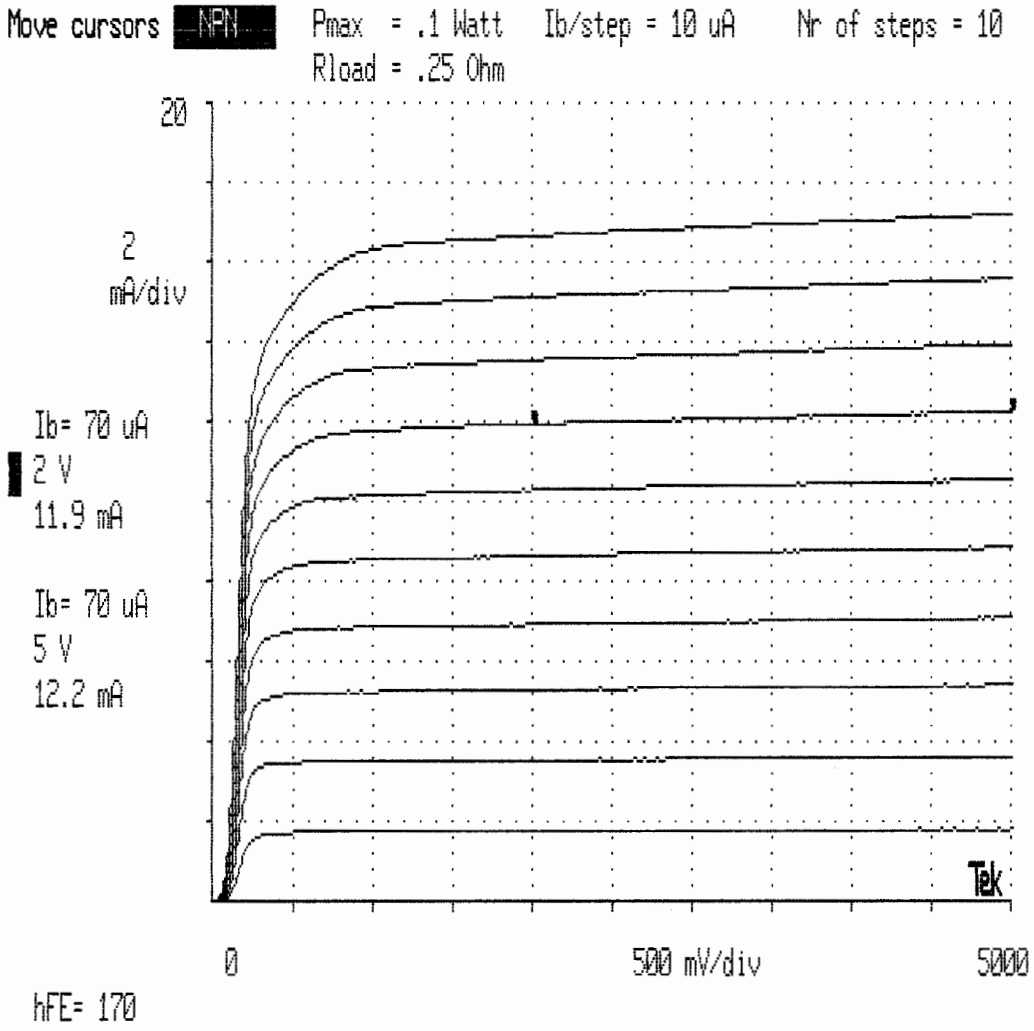
$$y_2 - y_1 = m(x_2 - x_1)$$

$$12mA = 0.1\ \frac{mA}{V}(2V + V_A)$$

$$V_A = 118\ V$$

TEKTRONIX 571 Curve Tracer

Q6



Screen copy (since power up) #4

$$m = \frac{12.2\,mA - 11.9\,mA}{5V - 2V} = 0.1\ \frac{mA}{V}$$

$$y_2 - y_1 = m(x_2 - x_1)$$

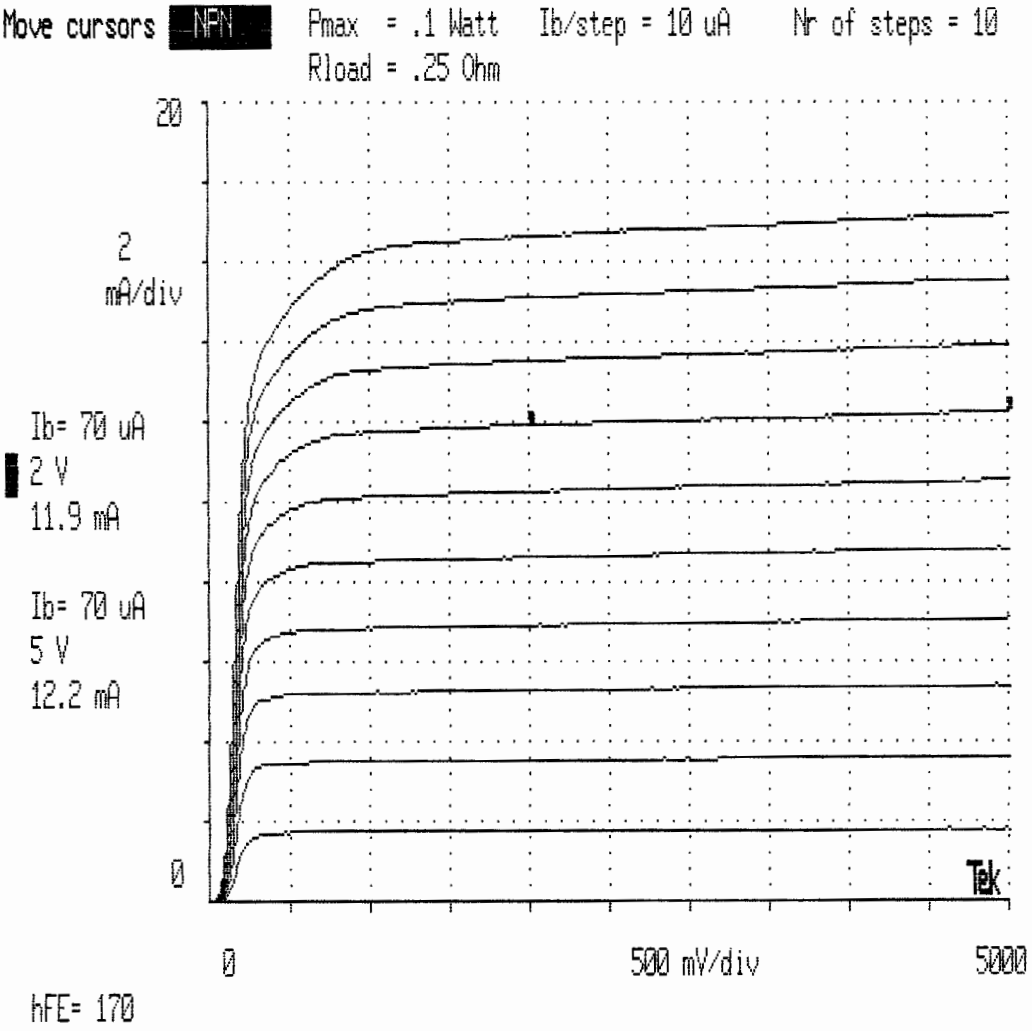
$$11.9\,mA = 0.1\ \frac{mA}{V}(2V + V_A)$$

$$\therefore V_A = 117\ V$$

Q7

TEKTRONIX 571 Curve Tracer

Q7



Screen copy (since power up) #5

$$m = \frac{12.2\,mA - 11.9\,mA}{5V - 2V} = 0.1\,mA/V$$

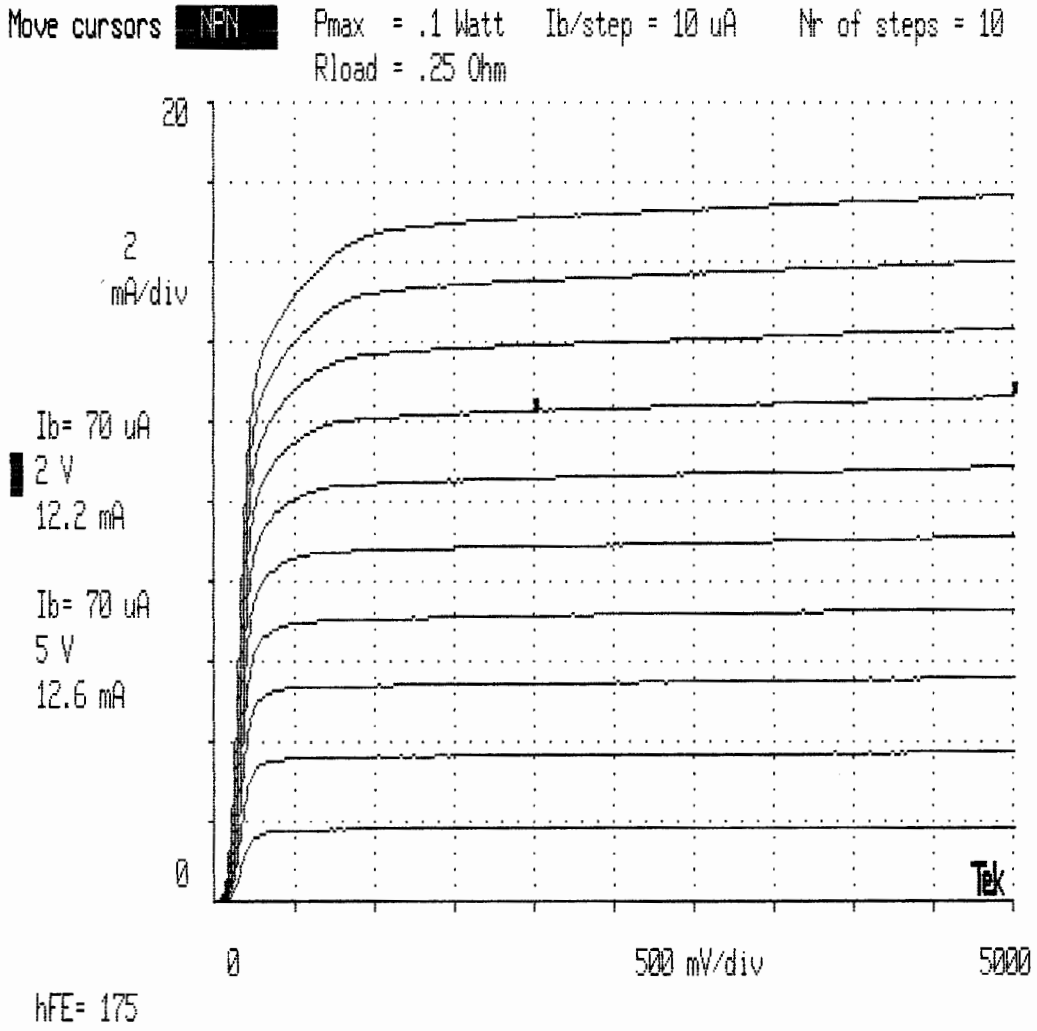
$$y_2 - y_1 = m(x_2 - x_1)$$

$$11.9\,mA = 0.1\,\frac{mA}{V}(2V + V_A)$$

$$V_A = 117\,V$$

TEKTRONIX 571 Curve Tracer

Q8



Screen copy (since power up) #1

$$m = \frac{12.6\,mA - 12.2\,mA}{5V - 2V} = 0.1333\ \frac{mA}{V}$$

$$y_2 - y_1 = m(x_2 - x_1)$$

$$12.2\,mA = 0.1333\ \frac{mA}{V}(2 + V_A)$$

$$V_A = 89.5\ V$$

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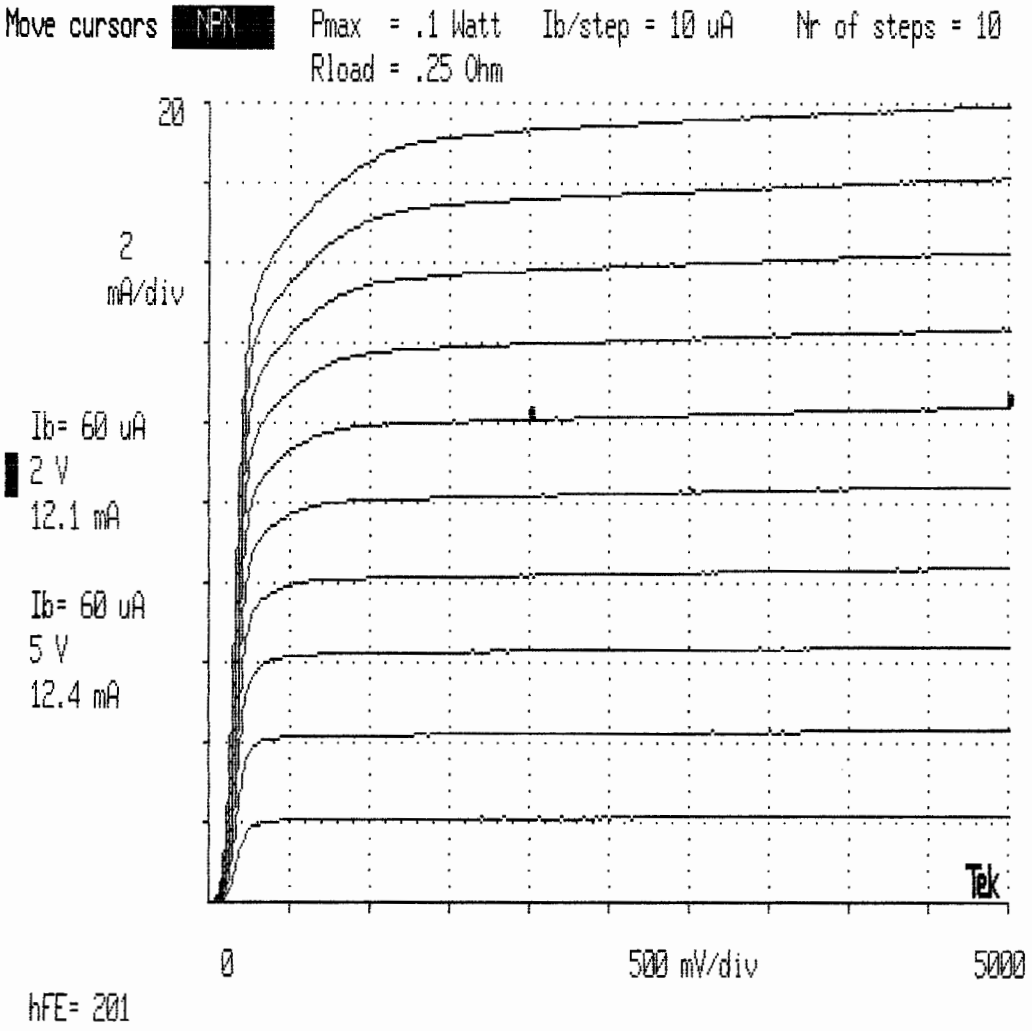
Q9



Screen copy (since power up) #2

$$m = \frac{12.4mA - 12.1mA}{5V - 2V} = 0.1\ mA/V$$

$$y_2 - y_1 = m(x_2 - x_1)$$

$$12.1mA = 0.1\ \frac{mA}{V}(2V + V_A)$$

$$V_A = 119\ V$$