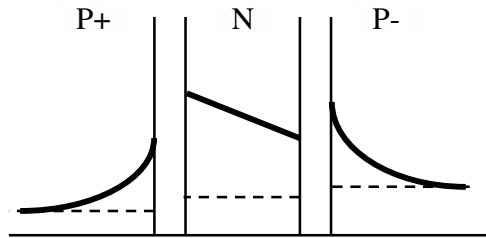
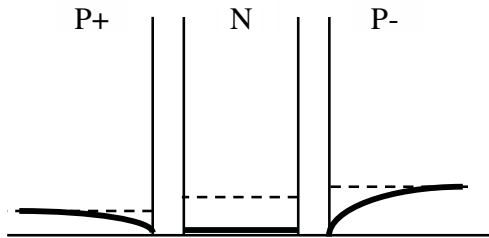


(7)

6. [ABET Question #7] Consider a narrow-base pnp BJT. For each of the diagrams below, indicate the region of operation and identify the operating point on the $I_C - V_{CE}$ plot.



Region of Operation (circle one):
[5 pts]

Forward Active

Inverse Active

Pinchoff

Saturation

Cutoff

Region of Operation (circle one):
[5 pts]

Forward Active

Inverse Active

Pinchoff

Saturation

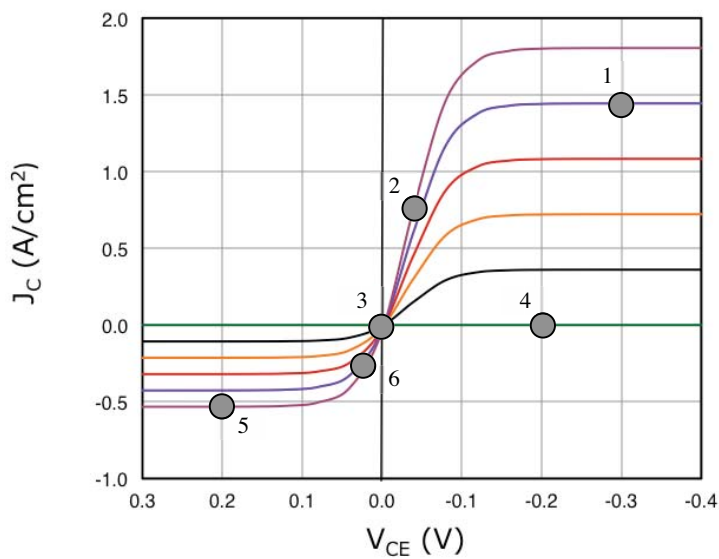
Cutoff

Indicate the operating point on the $I_C - V_{CE}$ plot below by inserting the correct number:

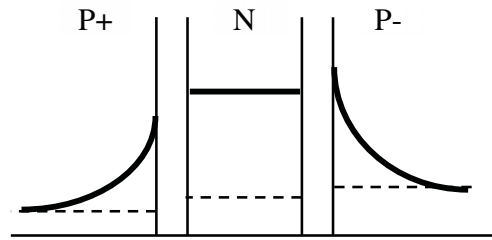
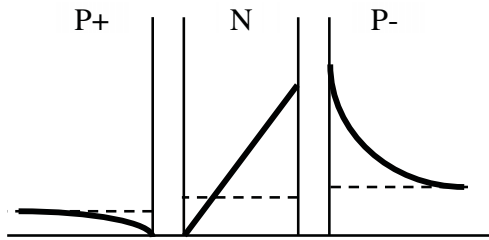
[5 pts]

Indicate the operating point on the $I_C - V_{CE}$ plot below by inserting the correct number:

[5 pts]



(8)



Region of Operation (circle one):
[5 pts]

Forward Active

Inverse Active

Pinchoff

Saturation

Cutoff

Region of Operation (circle one):
[5 pts]

Forward Active

Inverse Active

Pinchoff

Saturation

Cutoff

Indicate the operating point
on the $I_C - V_{CE}$ plot below by
inserting the correct number:

[5 pts]

Indicate the operating point
on the $I_C - V_{CE}$ plot below by
inserting the correct number:

[5 pts]

