12. For the schematic below, a set of conditions are described. For each given condition, circle the correct region of operation.

\[
\begin{align*}
V_{e} &= 0V \\ I_{b} &= 0, I_{c} = 6I_{b} \\ I_{b} &= 10\mu A, I_{b} = 1.01mA \\ V_{RR} &= -1V \\ V_{E} &= 0.1V \\ V_{CE} &= 0 \\ I_{E} &= 2mA, V_{C} = 9.4V \\ I_{E} &\neq (\beta+1)I_{b}, I_{b} = 10mA \\ V_{C} &= 12 \\ V_{C} &= I, I_{E} = 8mA
\end{align*}
\]

- Off
- Saturated
- Active Fwd