tmplitation 1c = B1 3 convents X= curent transte ratio = X = emitte officiency 15 composed 271 B= base transport factor primerly of holes 111

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$$B = \frac{1}{\sqrt{2}}$$

$$B =$$

$$B \left(\frac{\varepsilon_{h} + (1-B)}{\varepsilon_{h}}\right) = B \left(\frac{\varepsilon_{h}}{\varepsilon_{h}}\right)$$

$$= \frac{B \left(\frac{\varepsilon_{h}}{\varepsilon_{h}}\right)}{B \left(\frac{\varepsilon_{h}}{\varepsilon_{h}}\right)}$$

holes It = average transit time -> Nd in the buse Bo from emitter to collecter holes

electrons? Wa very small X

For every electron that enters
the base to maintain S.C.N If holes make it to collecter