Siskom 1

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2.
$$R_b = 1 M_b p_s$$

= $1 M_b p_s$
 $1 M_b = 1 M_b p_s$

$$P_e : \omega^{-5} = Q(x) = Q\left(\sqrt{\frac{2Fb}{N_o}}\right)$$

$$x = 4,27$$

a
$$4,27 = \sqrt{\frac{2F_{5}}{N_{0}}}$$

$$4,27^{2} = \frac{2E_{5}}{N_{0}}$$

$$E_{b} = \frac{4,27^{2}}{2} = 9,12 \times \omega^{-12}$$

=
$$\sqrt{2.9,12 \times 6^{-12}.W^6} = 4,27 \times 10^{-3} \text{ V}$$

= 4,27 mV

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$$= \sqrt{2.1,92 \times 10^{-5}} = 6,03 \times 10^{-3} V$$

= 6,03 mV

$$E_b = 4,27^2$$
. $N_o = 4,27^2$. W^{-12}
= 1,82 × ω^{-11} ?

=
$$\sqrt{4.9}$$
 = $2\sqrt{1,82\times00^{-5}}$ = $8,53\times00^{-3}$ V
= $8,53$ mV