

$$\begin{aligned}
\text{Recall}(N, k, B, M, d_{max}, \mu_s, \mu_d, \sigma_d) = & \frac{N}{k} \int_0^{x_0} \left(\sum_{b=0}^{\frac{\mu_s^2}{\sigma_d^2}} \left(\frac{\mu_s^2}{b \cdot \sigma_d^2} \right) p(x)^{b \cdot \frac{\mu_s^2}{\sigma_d^2}} \cdot (1-p(x))^{b \cdot \frac{\mu_d^2}{\sigma_d^2}} \cdot \int_0^M \right. \\
& \left. \left(\frac{\left[\frac{d_{max}}{N} \int_0^{x_0} \left(\sum_{i=0}^{b-1} \left(\frac{\mu_s^2}{i \cdot \sigma_d^2} \right) p(x)^{i \cdot \frac{\mu_s^2}{\sigma_d^2}} \cdot (1-p(x))^{b-\frac{\mu_s^2}{\sigma_d^2}-i} \cdot \frac{\mu_d^2}{B \cdot \sigma_d^2} \right) p(x)^{b \cdot \frac{\mu_d^2}{\sigma_d^2} - b \cdot \frac{\mu_s^2}{\sigma_d^2}} \right]^2}{\sqrt{N \cdot \frac{d_{max}}{0} \left[\sum_{i=0}^{b-\frac{\mu_s^2}{\sigma_d^2}-1} \left(\frac{\mu_s^2}{i \cdot \sigma_d^2} \right) p(x)^{i \cdot \frac{\mu_s^2}{\sigma_d^2}} \cdot (1-p(x))^{b-\frac{\mu_s^2}{\sigma_d^2}-i} \cdot \frac{\mu_d^2}{B \cdot \sigma_d^2} + \frac{1}{2} \left(\frac{\mu_s^2}{b \cdot \sigma_d^2} \right) p(x)^{b \cdot \frac{\mu_d^2}{\sigma_d^2} - b \cdot \frac{\mu_s^2}{\sigma_d^2}} \right]^2} \cdot e^{-\frac{1}{2 \cdot \pi}} \cdot f(x) dx} \right) dy \cdot f(x) \right) dx
\end{aligned}$$

where
 $f(x) = \frac{1}{x \cdot \sigma_d \cdot \sqrt{2\pi}} e^{-\frac{(ln x - \mu_d)^2}{2 \cdot \sigma_d^2}}$

x_0 is solved from equation
 $k = N \cdot \int_0^{x_0} \frac{1}{x \cdot \sigma_d \cdot \sqrt{2\pi}} e^{-\frac{(ln x - \mu_d)^2}{2 \cdot \sigma_d^2}} dx$

and probability function $p(x)$ is learned on data.