$\mathbf{y}(n+1)\widetilde{N\mathbf{yyxx}}$ **xx**

$$\begin{matrix} x_i \\ d_{ef} \\ \tau \\ b \\ K \\ B \\ i \\ s \end{matrix}$$

$d_{ef}d_{ef}$

$$P_b \leq \sum_{i=1}^{2^N} \frac{w_i}{N} Q\left(\sqrt{d_i \frac{2RE_b}{N_o}}\right) \tag{1}$$

$w_i d_i i$

$$d_{(t,s)} = 6 + \left(\frac{|t|}{\tau} + \frac{|s|}{\tau}\right) w_o \tag{2}$$

$w_o 1 + D^\tau t + sD$
$tsW_d dN_d d$

$$P_b \approx \sum_{i=1}^{l} \frac{2N_d}{N} Q\left(\sqrt{d_{(t_i,s_i)} \frac{2RE_b}{N_o}}\right) \tag{3}$$

$l(t,s)$

$$l = \sum_{a=1}^{3} N - (N - a\tau)$$

$m = 1, 2, ...$
$t_i x_i x_i + t_i$

$$x_i \in \mathbb{Z}, t_i \in \tau \cdot \mathbb{Z} \triangleq \mathbb{D}$$

$(x_i, x_i + t_i) s_i (x_i, x_i + s_i)$

$m = 1$
$(1 + D^{a\tau})(D^u), 0 \leq u \leq N - \tau d_{ef}$

$$s \leq a\tau \triangleq \mathbb{E}(s) \forall x \in \mathbb{Z}, t \in \mathbb{D}$$

$t = s = \tau d_{ef} t + s$