





Erreure lunga 2  $\rightarrow d = 4$   
 Erreure lunga 3  $\rightarrow d = 6$   
 Erreure lunga 4  $\rightarrow d = 8$

000	000	000	000
110	011	000	000
1	1	0	0
110	101	110	000
1	1	1	0
110	101	101	011

$d_1 = 4 \Rightarrow 1 \text{ bit SBACUATO}$

$d_2 = 6 \Rightarrow 2 \text{ bit } \epsilon$

$d_3 = 8 \Rightarrow 3 \text{ bit } \epsilon$

$$P_b(E) \approx \frac{1}{\sqrt{2\pi}} \cdot Q\left(\sqrt{\frac{2Eb}{N_0}} \cdot 4R\right) + \frac{1}{\sqrt{2\pi}} \cdot 2 \cdot Q\left(\sqrt{\frac{2Eb}{N_0}} \cdot 6R\right) +$$

$$+ \frac{1}{\sqrt{2\pi}} \cdot 3 \cdot Q\left(\sqrt{\frac{2Eb}{N_0}} \cdot 8R\right) + \dots$$