Llogd-Max quantizes: Codebook 
$$e=\xi_{q_0}, \xi_1^3$$
 $y_0 = -\sqrt{\frac{2}{11}}, y_1 = \sqrt{\frac{2}{11}} \quad R_0 = (-\infty, 7)$ 
 $R_1 = [0, \infty)$ 
 $R_2 = [0, \infty)$ 
 $R_3 = [0, \infty)$ 
 $R_4 = [0, \infty)$ 
 $R_5 = [0, \infty)$ 
 $R_6 = [0, \infty)$ 
 $R_7 = [0, \infty)$ 
 $R$ 

Let  $P(e=0)=1-\epsilon$ ,  $P(e=1)=\epsilon$   $\hat{Z}=ZDe$ General et  $U \sim U(L^0/13)$  P(U = y) = y, 0 = y = 1,  $Le+(P(U > 1-\epsilon))$   $e=\sum_{i=1}^{\infty} if U = 1-\epsilon$   $=1-RU = \epsilon$  $=1-RU = \epsilon$ 

Simulate distrete v.v. VE El, ... , m3 uiter distribution P(V=i)=p, i=1, -, n.  $\left(\begin{array}{c} \sum_{i} p_{i} = 1 \end{array}\right)$ 1 O if We this internal, then I output 1=2 1-51 N=2 R = 1. Instead of intexing the core points as you to me the binary form of inker i, i ∈ {0,..., 4-13 Transition probabilities. BSC( $\varepsilon$ ).  $b \in 90,13^{R}, \quad b = 6,6_{2}...6_{R}$  p(6|b) = TP(6;1b;)  $= (-\varepsilon) + 6; = 6;$   $= (-\varepsilon) + 6;$   $d_{H}(\delta,b) + R - d_{H}(\delta,b)$   $= \varepsilon + (-\varepsilon)$