COBAREA INTERCADRE

 $e(m, m, i) = \mathcal{U}(m, m, i) - \mathcal{U}(m, m, i-1)$ i (codrul curent) i (codrul reference) intercadre de coord (m, m) ode coord (m, m) de coord (m, m) dim codrul i i-1.

|elm, m, i)>n, > este cuantizato ji coolato
pentru transmisie

Lo receptive $\hat{u}(m, m, i-1) + \hat{e}(m, m, i)$ $\hat{u}(m, m, i) = \left\{ \begin{array}{c} \hat{u}(m, m, i-1) + \hat{e}(m, m, i) \\ \text{daco} \mid e(m, m, i) \mid > M \\ \hat{u}(m, m, i-1), \text{ in rest} \end{array} \right.$

PROBLEM 4

8×8

9=11

a) E[8x8]

b) blocel 8x8 reconstituit la decodor

MSE 210 192 Cadrul referinto = .90

e(m, m, i) = Coolnul surent - Cadrul referențio

$$e(m,m,i) = \begin{bmatrix} -6 & -8 & 0 & -20 & -20 & -20 & -10 & -12 \\ -6 & 0 & -10 & -4 & -4 & 0 & -10 & 0 \\ -6 & 0 & 0 & 0 & 12 & +2 & 0 & -4 \\ -10 & -6 & 70 & 26 & 16 & 20 & 0 & -30 \\ -20 & -20 & 16 & 38 & 32 & 18 & 0 & -10 \\ -10 & 0 & 0 & 0 & 10 & 20 & 8 & 8 \\ 10 & -10 & 0 & 14 & 14 & 10 & 0 & 8 \\ 4 & 0 & -10 & 0 & 0 & 0 & 8 & -9 \end{bmatrix}$$

& knams mite $\hat{e}(m,n) = \begin{cases} e(m,n) & olaco | e(m,n) | > n \\ 0, & olaco \end{cases}$

6) Cadrul reconstituit - Codrul ale referenta # E (most 140 180 210 18C Cadrul reconstituit = 120 100 50 100 164 200 114 114

MSE. (bl. decodof-reconstituit zi bl. original din codrul surent)

$$MSE = \frac{1}{64} \left(36.4 + 100.12 + 16.5 + 64.5 + 4.1 \right) = \frac{1}{64} \left(144 + 1200 + 80.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.7 + 320 + 4 \right) = \frac{1}{64} \left(1748 - 25.7 + 31.$$