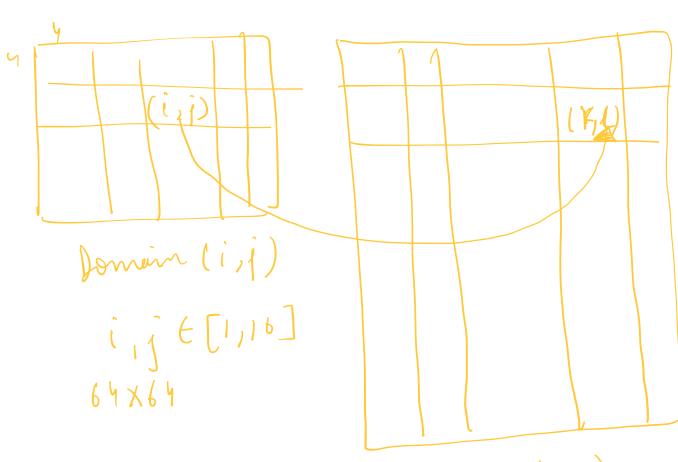
Algorithm for encoding (simple version) l'Assuming groy scale images, each pirel represents a value from 0 to a SS the intensity of the color)



tange (k, 1) R, L E[1,32] 128 1128

Now applying domain transformations(T) T(Di,j)= & Di,j+ to

Now, ve apply a Result force algorithm to map domain (i, j) to large (K, l) Take (K,1) from range: Take & from [0/1]; Take t fron [-255,255]: Apply the affine transformation to all (i,j) indomain and take the (i,i) for which difference in pixel volve is min for (K, l) and store inalist. - (d2) 1 d21 (t21) ((d22, d22, t21)-)

Captimal => min"
distation

Now, we need to choose transformation such that distortion is minimized !distortion $(d) = \sum_{i=1}^{n} \{T(D_{i,j}) - L_{k,l}\}^2$ himming e this Now, that we know the optimal transformations These are stored in ul som decode it from here. F Grantal Code Book) Algorithm for decoding (simple version):image Dinit Pale some initial 1 (I mit) $\Omega_1 =$ $M(\Omega_1)$ ~ = 13- 1 (D2) in = (In-1) - vonruge to suiginal T-) affine transports n= y(D) T(D) y of down sampling low pass filtering