

Photo Compression

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Photo preparation



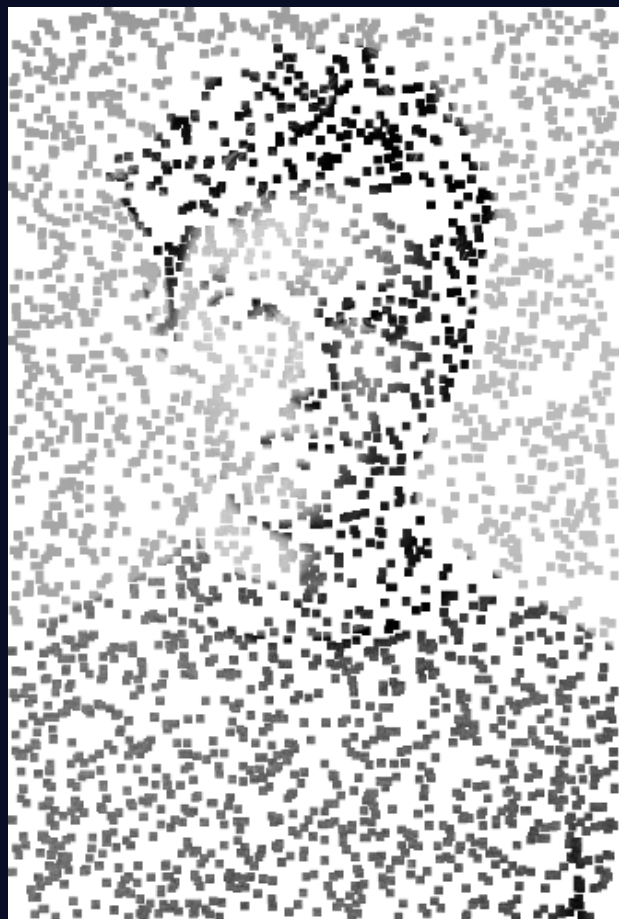
Original img
→
to Gray img



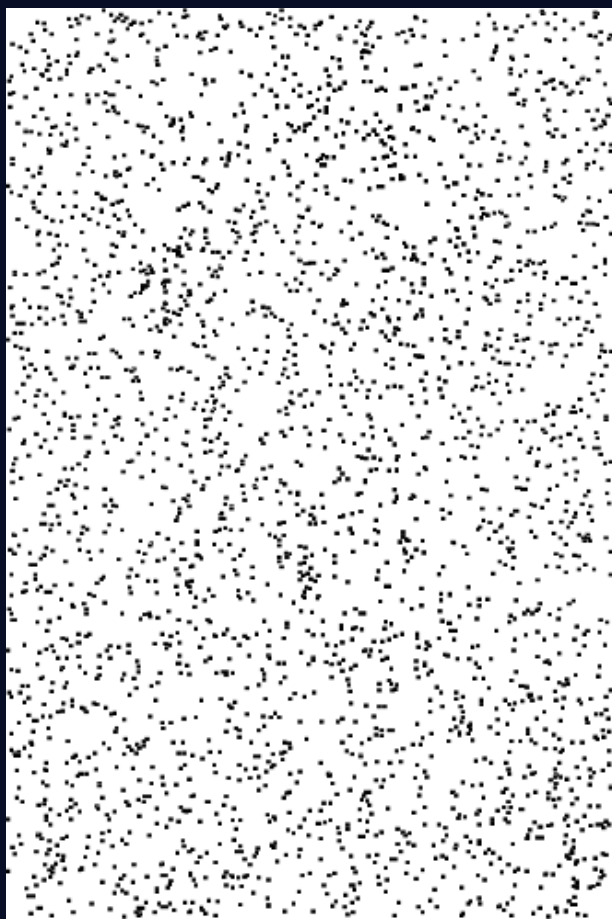
The parameters for training

Max Iter	Hidden Layer Sizes	Test Size	Random State
5000	400,200	0.05	42

8x8 box



Compress
img



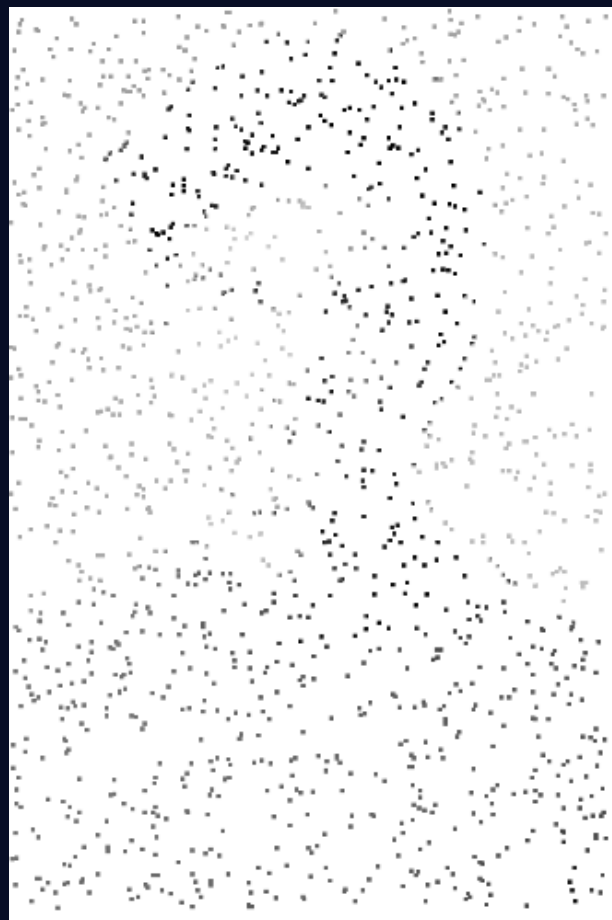
Reconstructed with
neural network



16x16 box



Compress
img



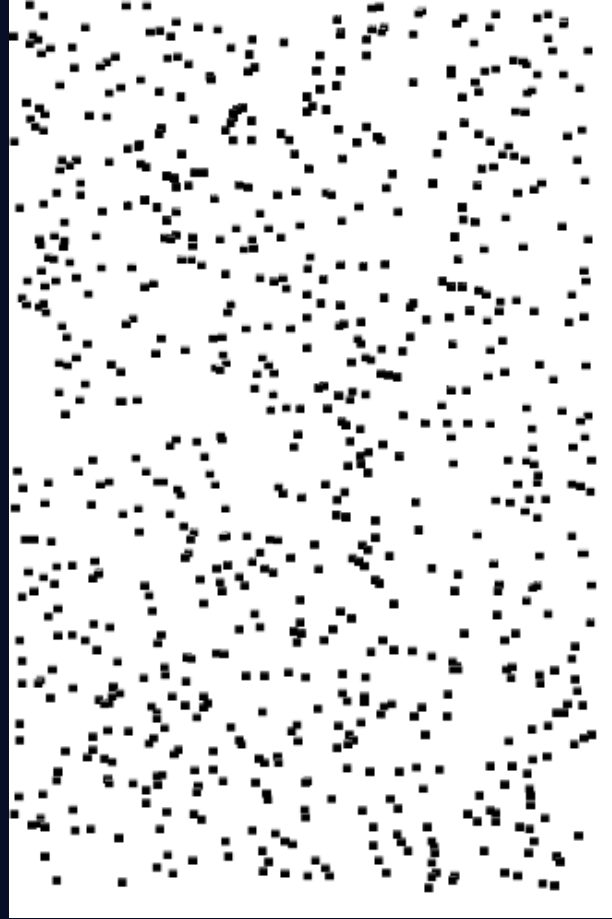
Reconstructed with
neural network



32x32 box



Compress
img



Reconstructed with
neural network



Final Result

Framing	8 x 8	16 x 16	32 x 32
Smaller Framing	4 x 4	4 x 4	8 x 8
Samples Number	4000	2000	1000
PSNR (dB)	33.97	33.87	32.22



Thank for your patience