

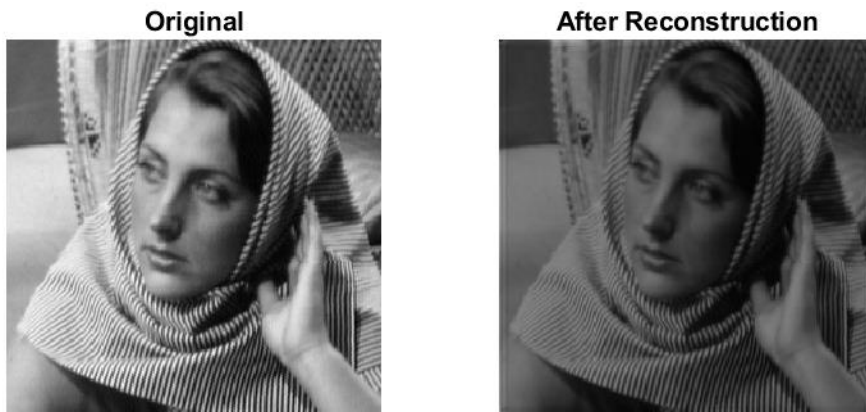
Q3

a) $\text{rmse_noise} = 0.0147$

$\text{rmse_recon} = 0.0135$



b) $\text{rmse_recon} = 0.4521$



$\text{rmse_recon} = 0.5533$



c) For this part number of iteration(last parameter of `ist2` has been set to 30 for better reconstruction results , however that takes a lot of time . For faster results, set number of iterations to 10 or less)

$\text{Rmse} = 0.2266$

Original



After Reconstruction



Rmse = 0.3455

Original



After Reconstruction



d) Rmse = 0.7925

