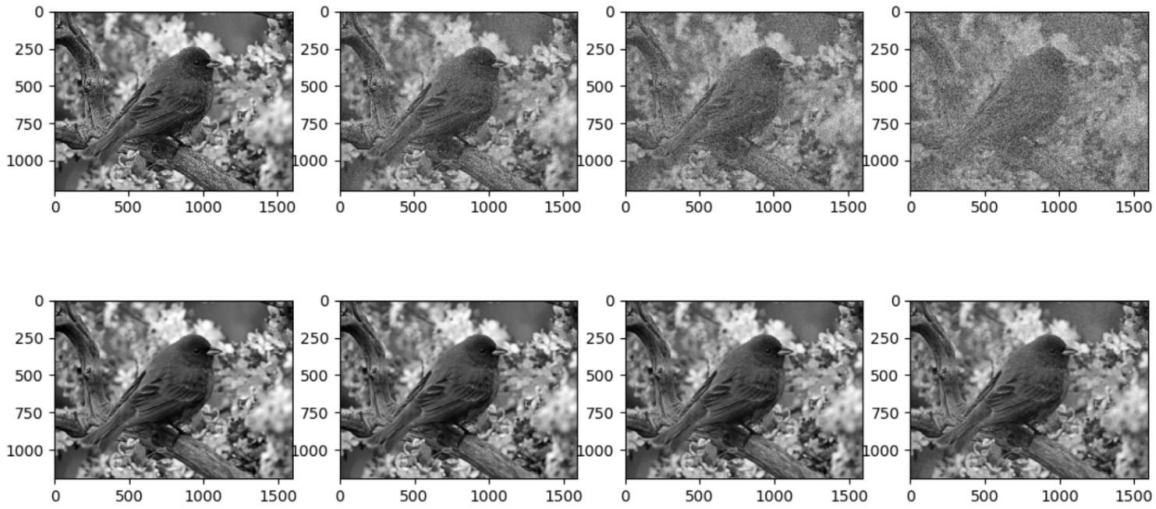
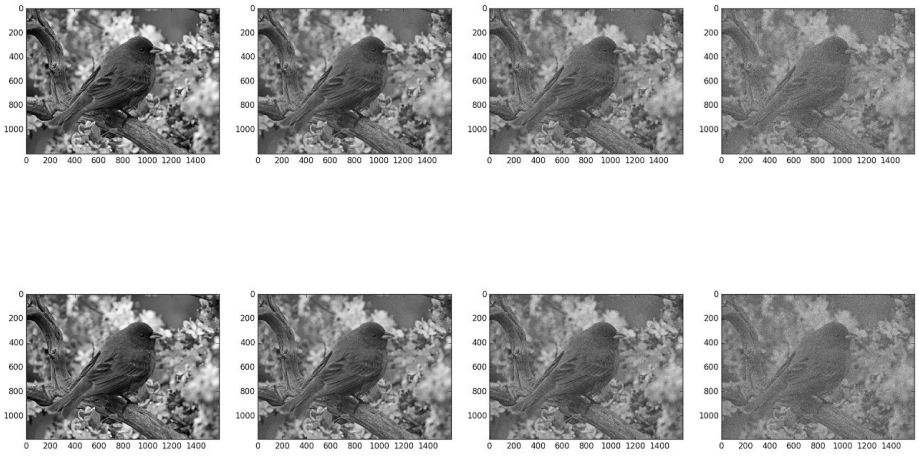
EX2 - Lior Ziv

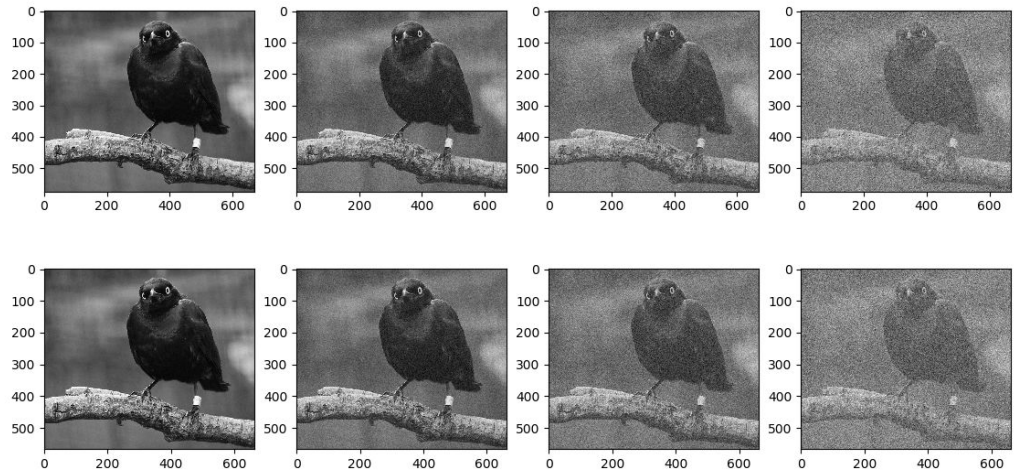
MVN denoise



GSM denoise



ICA denoise



Mvn as we see do the work, but it is the most simple module and indeed we need a bit more in order to denoise the image(more than one gaussian) . Since it has only one gaussian and we get the answer with one calculation

I had problems both with GSM and ICA since both of them rely on the same function implementing expectation minimization, but still it took me long time to write the code so i submitted it.
GSM module works the best on the data, we are suppose to see the images are cleaner after denoising probably because this module is far more expressive.
ICA module probably would work good as well since it has more than one gaussian to express each pixels line.

The log likelihood functions are written as well but stay on the same value for the entire run probably because of the same problem I have in my code.