1: **HALS-RRI** Implement the RRI iteration and write a test that illustrates that it works correctly.

2: **Testing completion** Fill in the `test_svdt.m` function from the repository with MATLAB code for the thresholded SVD iteration. If you prefer to use some other language, you may translate the code. At the end of the iteration, is the reconstructed low-rank $\hat{A}$ a good approximation to the true $A$?

3: **Completion via ALS** Using the same framework as `test_svdt.m`, write a function `test_als.m` to run the alternating least squares version of matrix completion.