BA − d=2, s≈0.962541, λ≈7.66e+03, m̂≈-0.0000, J_val≈7.696067e-01
RMSEtr = 0.2346, RMSEvl = 0.8773, RMSEts = 1.3138, RMSEtv = 0.4834
RMSEWtr = 0.2369, RMSEWvl = 1.0024, RMSEWts = 1.3665, RMSEWtv = 0.618