BABA − d=1, s≈0.951481, λ≈105, m̂≈0.0005, J_val≈8.433763e-01
RMSEtr = 0.2242, RMSEvl = 0.9184, RMSEts = 1.2417, RMSEtv = 0.4985
RMSEWtr = 0.2054, RMSEWvl = 1.0527, RMSEWts = 1.1546, RMSEWtv = 0.63