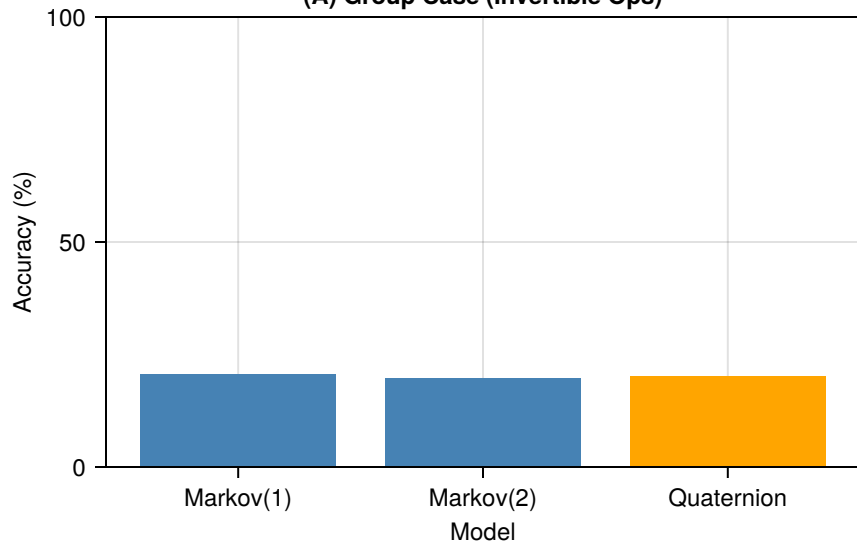
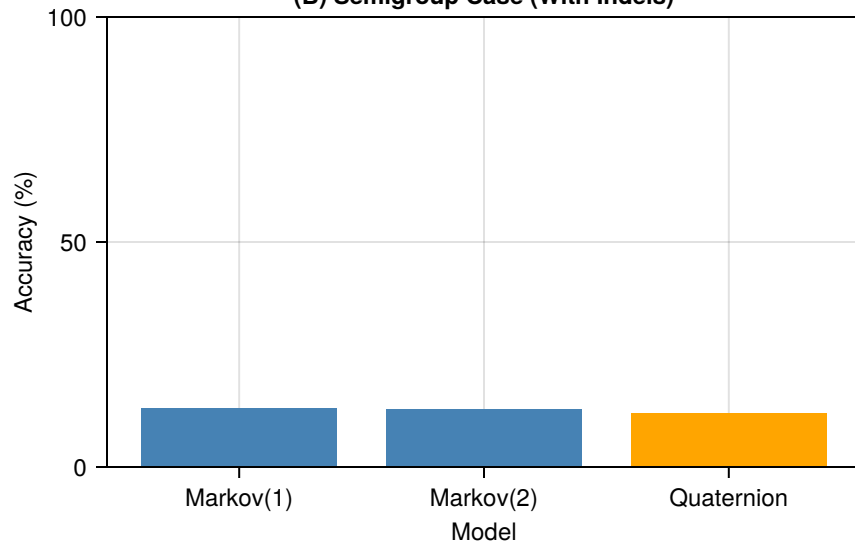


# Quaternionic Compression Hypothesis Test

(A) Group Case (Invertible Ops)



(B) Semigroup Case (With Indels)



Markov Baseline    Quaternion Model