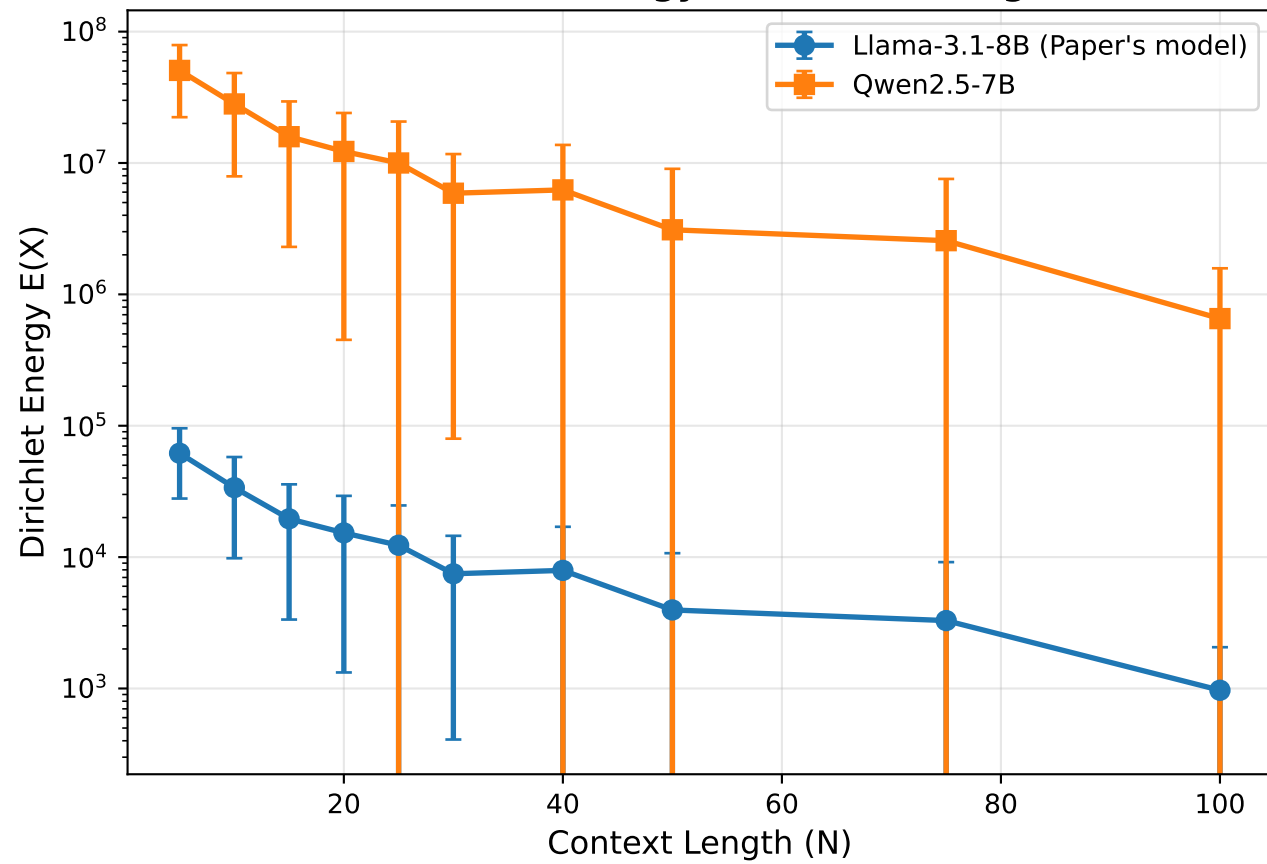


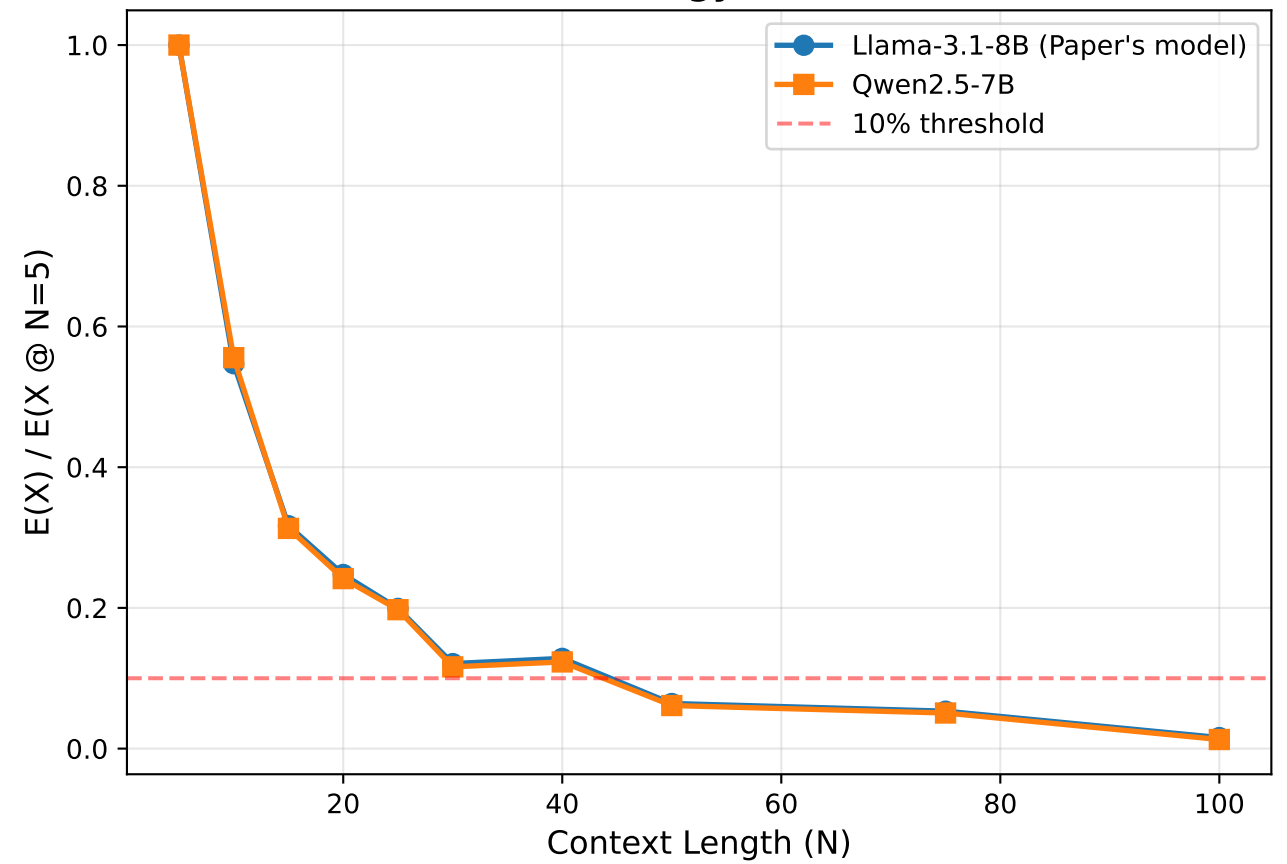
Park et al. (2024) Reproduction: Model Comparison

Dirichlet Energy Decreases as Context Length Increases

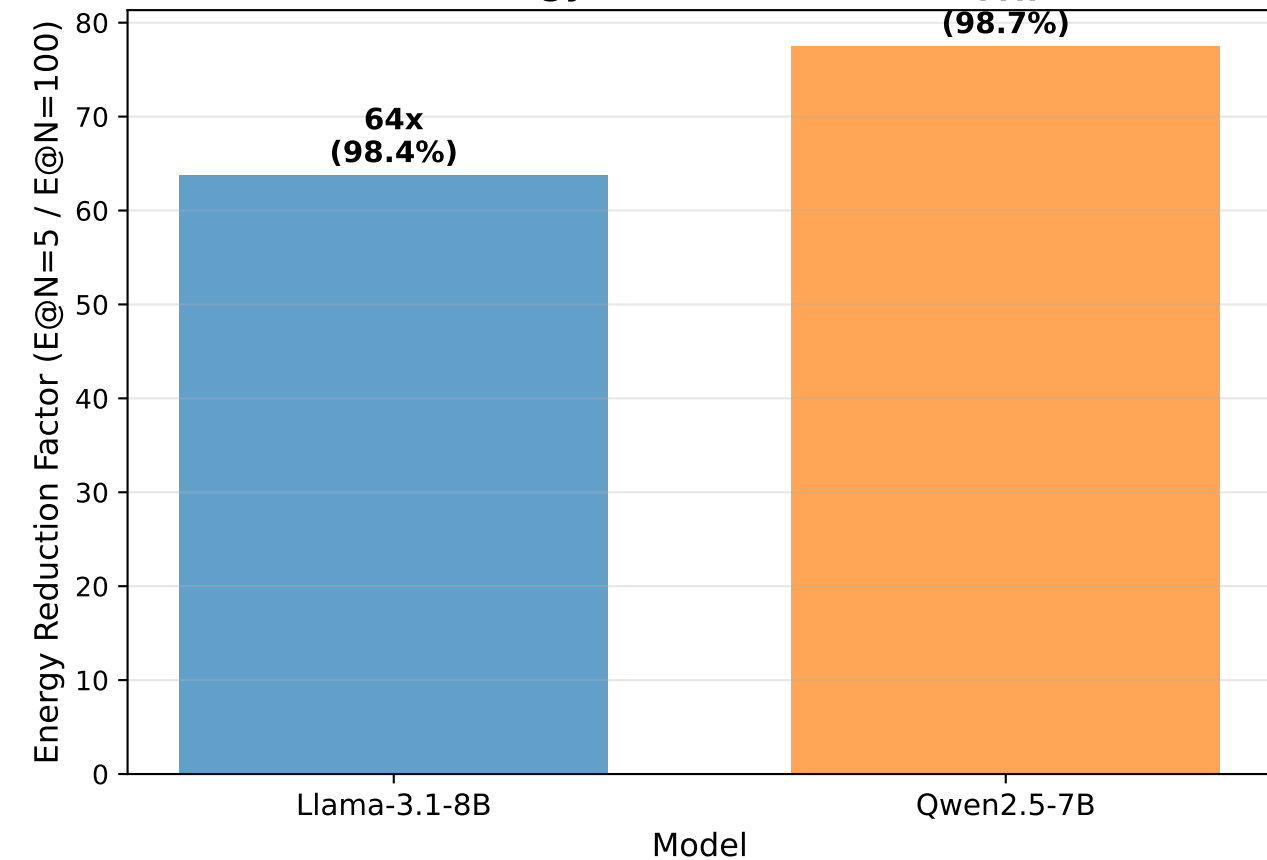
A. Dirichlet Energy vs Context Length



B. Normalized Energy (Relative to N=5)



C. Total Energy Reduction (N=5 \rightarrow N=100)



D. Comparison Summary

Metric	Llama-3.1-8B	Qwen2.5-7B	Park et al.
Energy @ N=5	61,789	50,661,295	High
Energy @ N=100	969	654,009	Low
Reduction Factor	64x	77x	Large
Phase Transition	N=5-15	N=5-15	Early N
Layer Analyzed	26/32	20/28	26