Supplementary Table S7 Hop-wise results of KG-LLM baselines on GLM-4-Flash (Hits@1 / F1, %)

Hop group	MindMap	ToG	BYOKG-RAG	GraphRAG	PoG	CEAF-CLWQA
1-hop H@1	74.3	70.4	75.2	76.7	79.9	**83.5**
1-hop F1	55.6	56.6	57.1	59.7	**65.1**	**65.1**
2-hop H@1	68.8	65.3	70.0	71.2	73.9	**76.7**
2-hop F1	51.9	53.0	53.6	56.2	**62.3**	56.8
3-hop H@1	57.0	53.4	58.3	60.0	64.4	**65.4**
3-hop F1	44.6	46.8	46.2	48.8	**56.2**	47.2
≥4-hop H@1	48.2	42.1	49.0	51.4	52.3	**53.1**
≥4-hop F1	36.2	37.3	38.2	39.4	46.9	36.7