TABLE I
P-VALUE OF STATISTICAL TEST: HOMOGENEOUS KG VERSUS HETEROGENEOUS KG

	Top-5 Acc (Raw)	Top-5 Acc (Filtered)	Top-10 Acc (Raw)	Top-10 Acc (Filtered)	MRR (Raw)	MRR (Filtered)	MAP	TC-Acc
CWE-only KG	0.005859	0.003906	0.008004	0.001953	0.064453	0.011407	0.021303	0.001953
CAPEC-only KG	0.009091	0.005889	0.005889	0.005761	0.052773	0.040555	0.028954	0.005510
CWE&CAPEC KG	0.009766	0.013672	0.013672	0.003906	0.003906	0.001953	0.003906	0.001953

TABLE II
P-VALUE OF STATISTICAL TEST: M-7 VERSUS M-1 ON OVERALL PERFORMANCE OF LINK PREDICTION

Top-5 Acc (Raw)	Top-5 Acc (Filtered)	Top-10 Acc (Raw)	Top-10 Acc (Filtered)	MRR (Raw)	MRR (Filtered)	MAP
0.013794	0.001953	0.003906	0.001953	0.005761	0.005510	0.005761

TABLE III
P-VALUE OF STATISTICAL TEST: M-7 VERSUS M-1 ON OVERALL PERFORMANCE TOP-5 ACCURACY (FILTERED) BY RELATIONSHIP TYPE AND PREDICT-HEAD/TAIL OF LINK PREDICTION

	instanceof	targetof	childof	parentof	peerof	canfollow	canprecede	semantic	overall
Head	0.001953	0.014369	0.009091	0.009030	0.034611	0.014147	0.034097	0.009091	0.005761
Tail	0.001953	0.009091	0.005666	0.001953	0.009091	0.014029	0.005857	0.005761	0.013672

TABLE IV
P-VALUE OF STATISTICAL TEST: M-7 VERSUS M-1 ON DETAILED AND OVERALL PERFORMANCE OF TRIPLET CLASSIFICATION

instanceof	targetof	childof	parentof	peerof	canfollow	canprecede	semantic	overall
0.005793	0.013911	0.009091	0.005541	0.009091	0.005793	0.005761	0.007882	0.005793

TABLE V
P-VALUE OF STATISTICAL TEST: M-7 VERSUS M-1 ON PREDICTION PERFORMANCE OF <CVE, instanceof, CWE> FOR NEWLY PUBLISHED CVES

Top-5 Acc	Top-10 Acc	MRR	MAP	TC-Acc
0.001953	0.003906	0.003906	0.001953	0.005761