

Table 1: wn18 - avg

model	AMR	hits@1	hits@10	hits@3	hits@5	MR
complex	2.21 ± 0.31	12.36 ± 1.96	32.92 ± 4.40	20.66 ± 2.75	25.24 ± 3.33	452.67 ± 63.05
conve	2.17 ± 0.07	85.14 ± 0.10	94.85 ± 0.06	91.76 ± 0.11	93.29 ± 0.04	444.40 ± 14.82
distmult	2.24 ± 0.12	67.45 ± 0.34	92.72 ± 0.18	85.94 ± 0.21	89.52 ± 0.25	458.64 ± 23.96
hole	3.98 ± 0.39	58.66 ± 0.81	88.53 ± 0.36	79.09 ± 0.41	83.68 ± 0.25	814.59 ± 80.68
kg2e	13.25 ± 0.22	1.35 ± 0.22	7.02 ± 0.43	3.21 ± 0.31	4.57 ± 0.34	2708.89 ± 44.57
rotate	0.61 ± 0.01	82.17 ± 0.20	95.28 ± 0.08	91.53 ± 0.12	93.44 ± 0.07	123.68 ± 1.71
simple	100.43 ± 0.46	0.00 ± 0.00	0.02 ± 0.02	0.00 ± 0.01	0.01 ± 0.01	20551.64 ± 95.33
transd	2.17 ± 0.13	3.94 ± 0.27	87.27 ± 0.41	65.63 ± 0.55	79.64 ± 0.43	444.39 ± 25.61
transe	2.46 ± 0.13	9.70 ± 2.93	81.22 ± 0.47	59.83 ± 0.95	71.41 ± 0.71	502.96 ± 27.45
transh	96.16 ± 0.09	0.04 ± 0.02	0.39 ± 0.11	0.19 ± 0.10	0.29 ± 0.14	19678.04 ± 18.92
transr	96.20 ± 0.49	0.00 ± 0.00	0.11 ± 0.06	0.04 ± 0.02	0.05 ± 0.03	19686.49 ± 100.97

Table 2: wn18 - best

model	hits@1	hits@10	hits@3	hits@5	MR	MRR
complex	12.36 ± 1.96	32.92 ± 4.40	20.66 ± 2.75	25.24 ± 3.33	452.67 ± 63.05	19.49 ± 2.55
conve	85.14 ± 0.10	94.85 ± 0.06	91.76 ± 0.11	93.29 ± 0.04	444.40 ± 14.82	88.81 ± 0.09
distmult	67.45 ± 0.34	92.72 ± 0.18	85.94 ± 0.21	89.52 ± 0.25	458.64 ± 23.96	77.44 ± 0.22
hole	58.66 ± 0.81	88.53 ± 0.36	79.09 ± 0.41	83.68 ± 0.25	814.59 ± 80.68	69.98 ± 0.53
kg2e	1.35 ± 0.22	7.02 ± 0.43	3.21 ± 0.31	4.57 ± 0.34	2708.88 ± 44.57	3.61 ± 0.26
rotate	82.17 ± 0.20	95.28 ± 0.08	91.53 ± 0.12	93.44 ± 0.07	123.68 ± 1.71	87.29 ± 0.12
simple	0.00 ± 0.00	0.02 ± 0.02	0.00 ± 0.01	0.01 ± 0.01	20513.74 ± 92.22	0.03 ± 0.00
transd	3.94 ± 0.27	87.27 ± 0.41	65.63 ± 0.55	79.64 ± 0.43	444.39 ± 25.61	36.22 ± 0.12
transe	9.70 ± 2.93	81.22 ± 0.47	59.83 ± 0.95	71.41 ± 0.71	502.95 ± 27.45	37.07 ± 1.84
transh	0.04 ± 0.02	0.39 ± 0.11	0.19 ± 0.10	0.29 ± 0.14	19678.02 ± 18.92	0.18 ± 0.04
transr	0.00 ± 0.00	0.11 ± 0.06	0.04 ± 0.02	0.05 ± 0.03	19686.49 ± 100.97	0.06 ± 0.02

Table 3: wn18 - worst

model	hits@1	hits@10	hits@3	hits@5	MR	MRR
complex	12.36 ± 1.96	32.92 ± 4.40	20.66 ± 2.75	25.24 ± 3.33	452.67 ± 63.05	19.49 ± 2.55
conve	85.14 ± 0.10	94.85 ± 0.06	91.76 ± 0.11	93.29 ± 0.04	444.40 ± 14.82	88.81 ± 0.09
distmult	67.45 ± 0.34	92.72 ± 0.18	85.94 ± 0.21	89.52 ± 0.25	458.64 ± 23.96	77.44 ± 0.22
hole	58.66 ± 0.81	88.53 ± 0.36	79.09 ± 0.41	83.68 ± 0.25	814.59 ± 80.68	69.98 ± 0.53
kg2e	1.35 ± 0.22	7.02 ± 0.43	3.21 ± 0.31	4.57 ± 0.34	2708.89 ± 44.57	3.61 ± 0.26
rotate	82.17 ± 0.20	95.28 ± 0.08	91.53 ± 0.12	93.44 ± 0.07	123.68 ± 1.71	87.29 ± 0.12
simple	0.00 ± 0.00	0.02 ± 0.02	0.00 ± 0.01	0.01 ± 0.01	20589.54 ± 100.76	0.03 ± 0.00
transd	3.94 ± 0.27	87.27 ± 0.41	65.63 ± 0.55	79.64 ± 0.43	444.39 ± 25.61	36.22 ± 0.12
transe	9.70 ± 2.93	81.22 ± 0.47	59.83 ± 0.95	71.41 ± 0.71	502.96 ± 27.45	37.07 ± 1.84
transh	0.04 ± 0.02	0.39 ± 0.11	0.19 ± 0.10	0.29 ± 0.14	19678.06 ± 18.92	0.18 ± 0.04
transr	0.00 ± 0.00	0.11 ± 0.06	0.04 ± 0.02	0.05 ± 0.03	19686.50 ± 100.97	0.06 ± 0.02