bAbl Results

	bAbl Best Results						
Task	LSTM	NTM	DNC1	DNC2	MemN2N	MemN2N	DMN
	(Joint)	(Joint)	(Joint)	(Joint)	(Joint) 21	(Single) 21	(Single) ²⁰
1: 1 supporting fact	24.5	31.5	0.0	0.0	0.0	0.0	0.0
2: 2 supporting facts	53.2	54.5	1.3	0.4	1.0	0.3	1.8
3: 3 supporting facts	48.3	43.9 0.0	2.4	1.8 0.0	6.8 0.0	2.1 0.0	4.8 0.0
4: 2 argument rels. 5: 3 argument rels.	0.4 3.5	0.8	0.0	0.8	6.1	0.8	0.7
6: yes/no questions	11.5	17.1	0.0	0.0	0.1	0.1	0.0
7: counting	15.0	17.8	0.2	0.6	6.6	2.0	3.1
8: lists/sets	16.5	13.8	0.1	0.3	2.7	0.9	3.5
9: simple negation	10.5	16.4	0.0	0.2	0.0	0.3	0.0
10: indefinite knowl.	22.9	16.6	0.2	0.2	0.5	0.0	0.0
11: basic coreference 12: conjunction	3.8	15.2 8.9	0.0 0.1	0.0	0.0 0.1	0.1 0.0	0.1 0.0
13: compound coref.	6.1 3.8 0.5	7.4	0.0	0.1	0.0	0.0	0.2
14: time reasoning	55.3	24.2	0.3	0.4	0.0	0.1	0.0
15: basic deduction	44.7	47.0	0.0	0.0	0.2	0.0	0.0
16: basic induction	52.6	53.6	52.4	55.1 12.0	0.2	51.8	0.6
17: positional reas. 18: size reasoning	39.2 4.8	25.5 2.2	24.1 4.0	0.8	41.8 8.0	18.6 5.3	40.4 4.7
19: path finding	89.5	4.3	0.1	3.9	75.7	2.3	65.5
20: agent motiv.	1.3	1.5	0.0	0.0	0.0	0.0	0.0
Mean Err. (%)	25.2	20.1	4.3	3.8	7.5	4.2	6.4
Failed (err. > 5%)	15	16	2	2	6	3	2

Ask me anything: dynamic memory networks for natural language processing, Kumar et. al. (2015) End-to-end memory networks, Sukhbaatar et. al. (2015)