Memory benchmark (blue=ours, orange=original) cinemaot milo dge guide assignment 3000 100000 20000 40000 80000 2500 Memory 2000 Young 1500 Memory (MB) 200000 (Me mory (MB) 150000 100000 Memory (MB) 60000 40000 20000 10000 5000 1000 0 drug2cell sccoda augur pert_space 200000 60000 200000 25000 50000 150000 We mory (MB) 1000000 We work (WB) 30000 20000 (MB) 20000 15000 10000 Memory (MB) 100000 50000 50000 10000 5000 0 0 dialogue mixscape 8000 25000 7000 20000 Memory (MB) 6000 4000 4000 Me 20000 15000 10000 3000 5000 2000 10⁶ 10^{4} 10⁵ 10⁶ 10⁴ 10^{3} 10⁵ 10^{3} Number of observations Number of observations