orginal_graph

SCC_graph
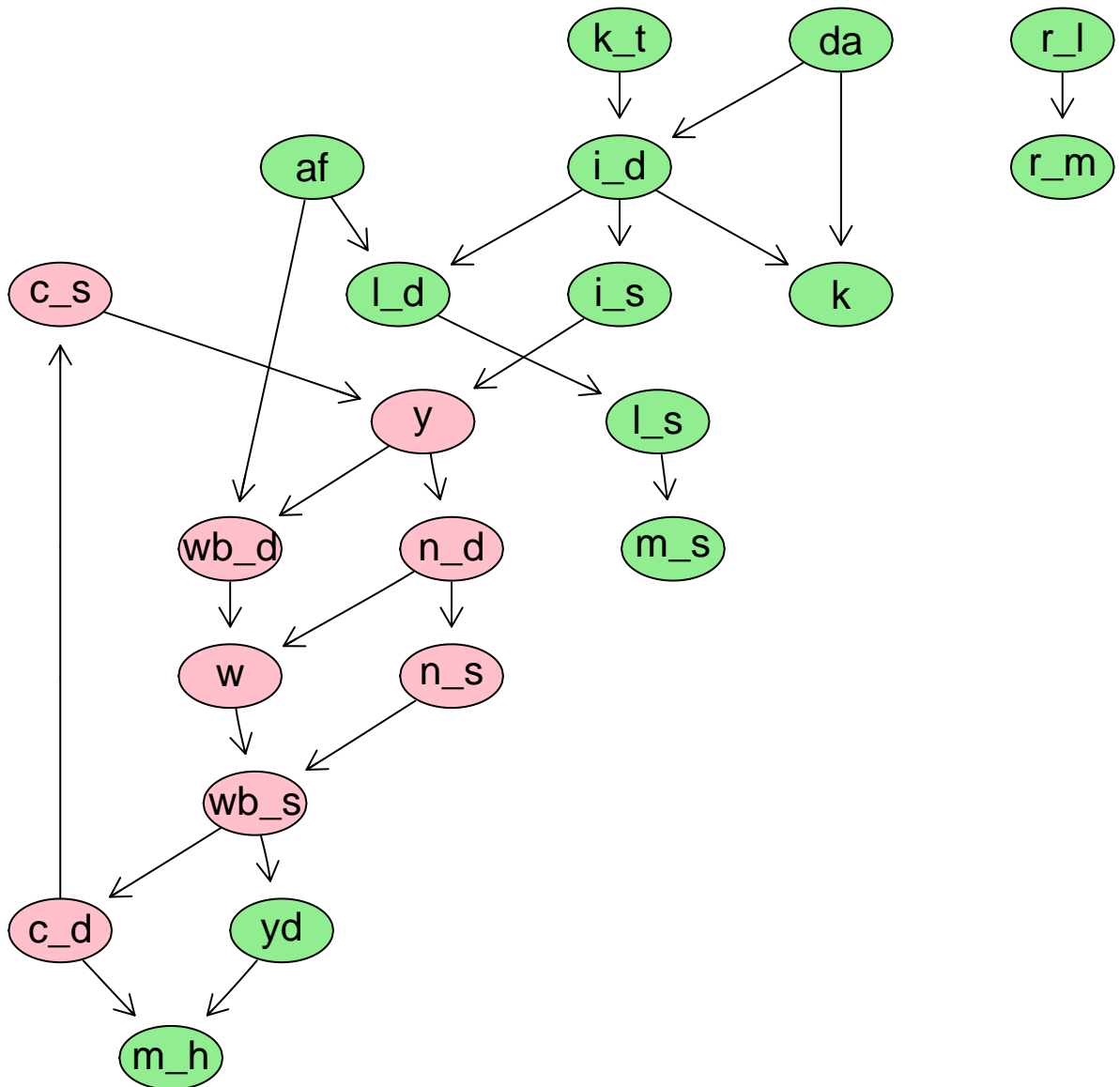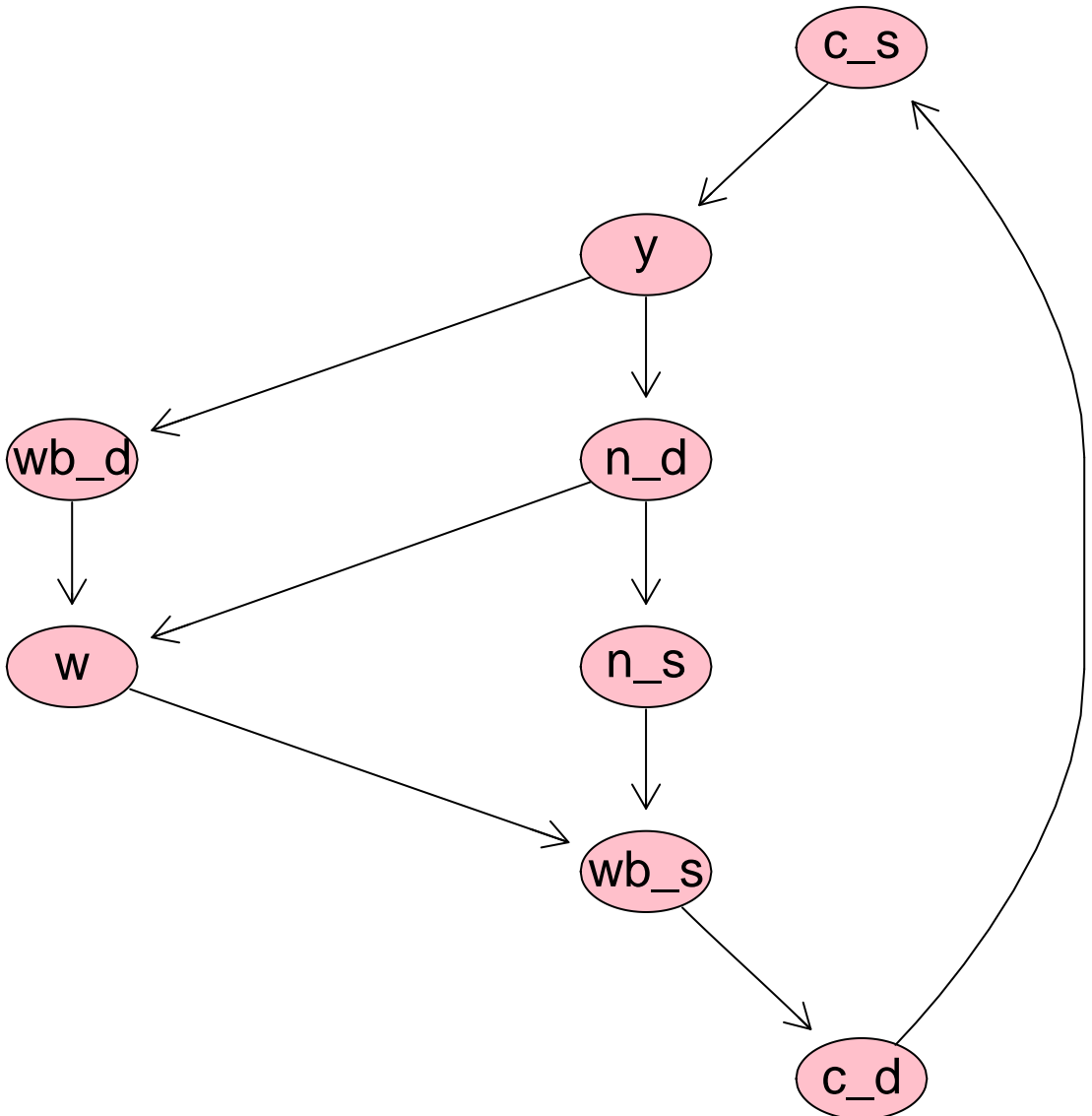
DAG