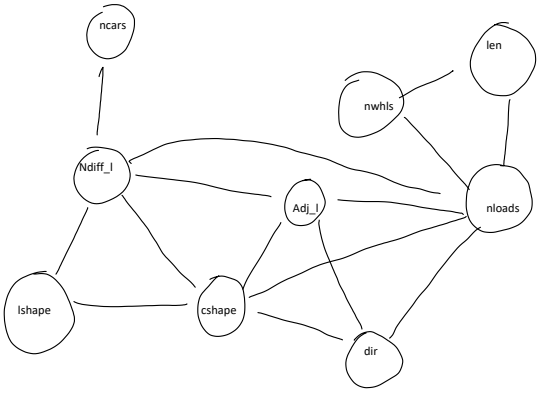
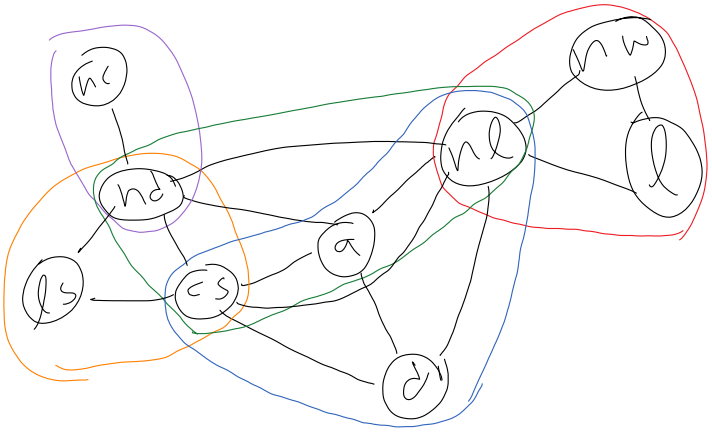
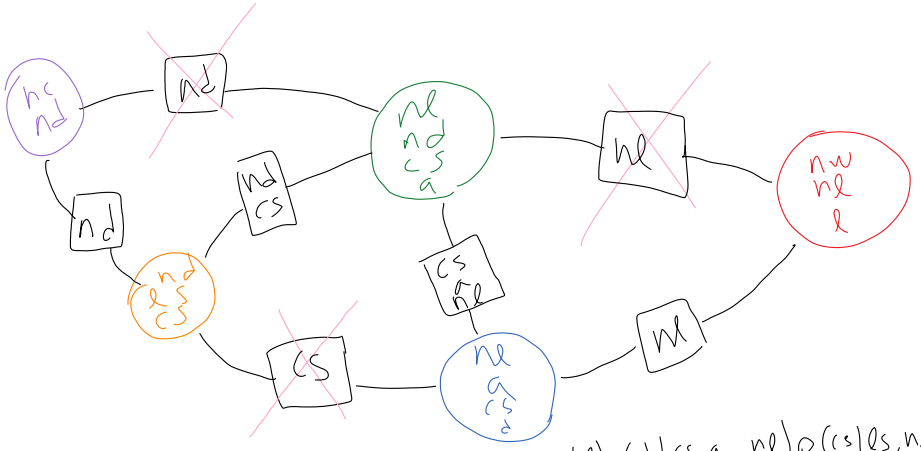
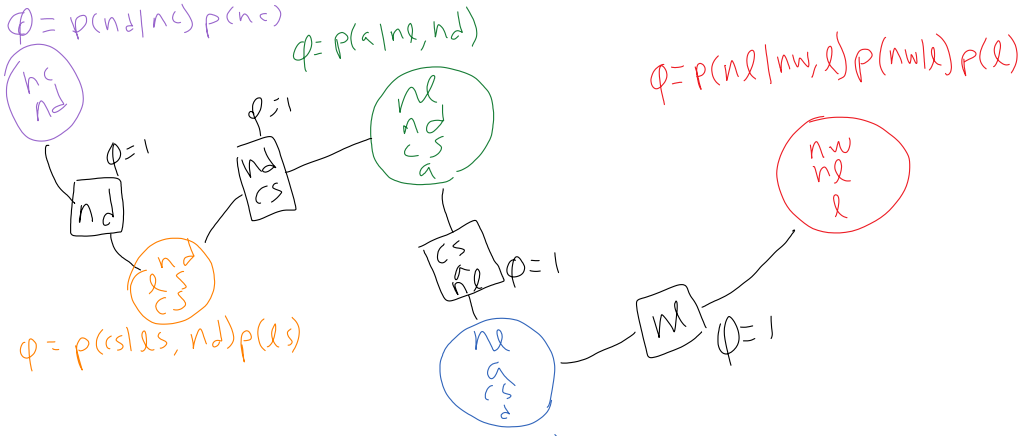






$$p = p(nc)p(ls)p(l)p(d|cs,a,nl)p(cs|ls,nd)p(nd|nc)p(a|nd,nl)p(nl|nw,l)p(nw|l)$$



$\phi = p(d|cs, a, nl)$