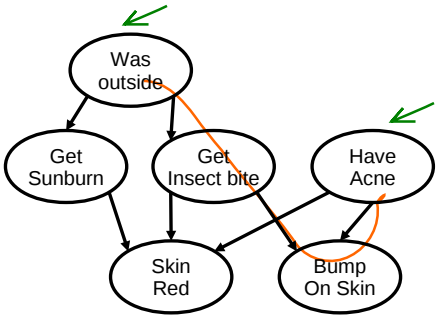
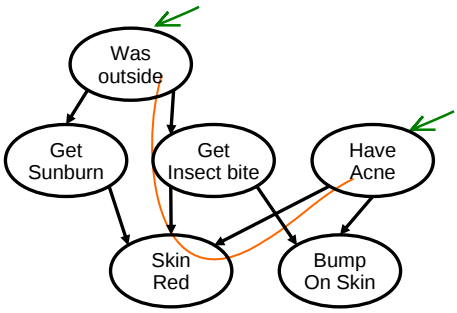
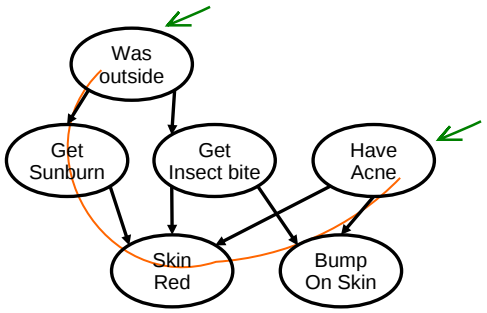


V triplet (I B A) inactive

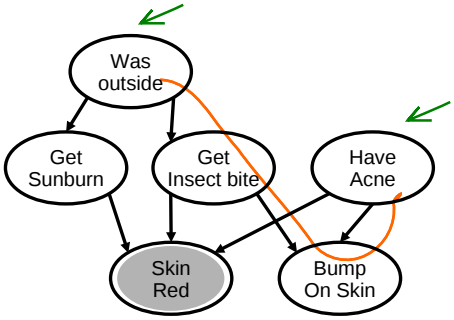


Causal chain (O I R) active
Common effect (I R A) inactive

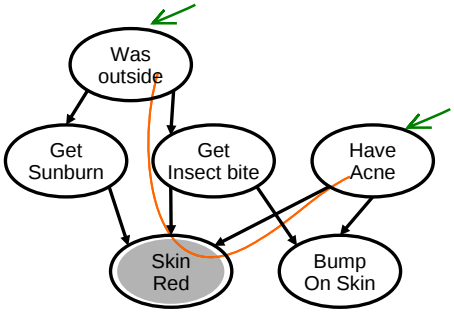


V triplet (S R A) inactive

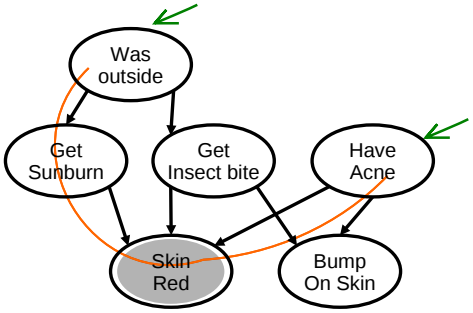
YES. All paths between O and A are inactive; and O and A are guaranteed to be independent.



causal chain (O I R) active
common effect (I R A) inactive

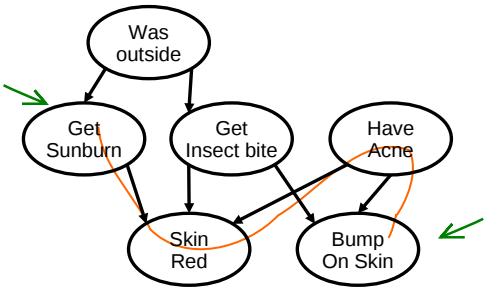


chain (O I A) active
V triplet (I B A) active

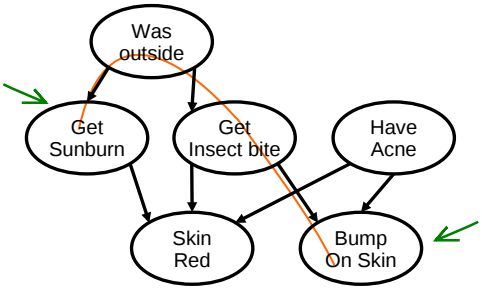


doesn't matter

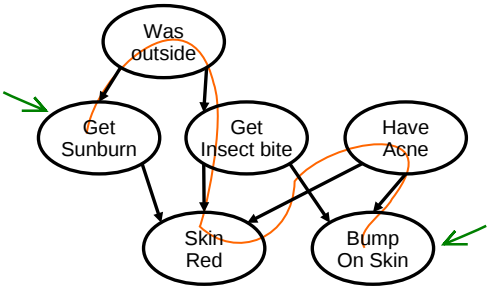
NO. Active path between O and A, independence not guaranteed.



V (I R A) inactive

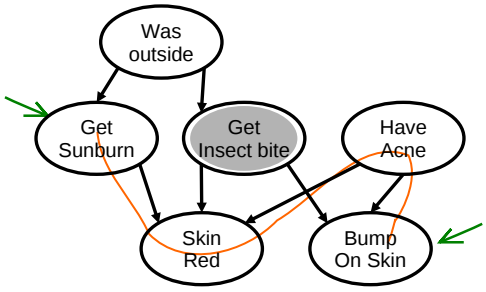


Common cause (S O I) active
Chain (O I B) active

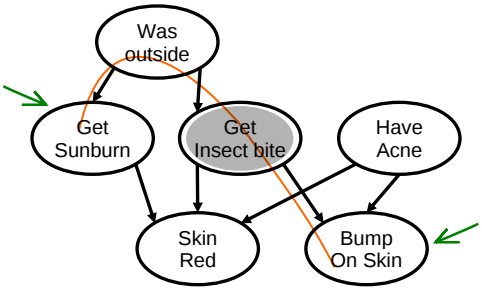


doesn't matter

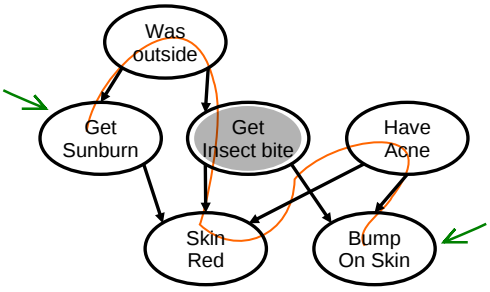
NO. Active path between S and B, independence not guaranteed.



V (I R A) inactive



Common effect (S O I) active
Chain (O I B) inactive



Common effect (S O I) act
Chain (O I R) inactive

YES. All paths between S and B inactive. Independence