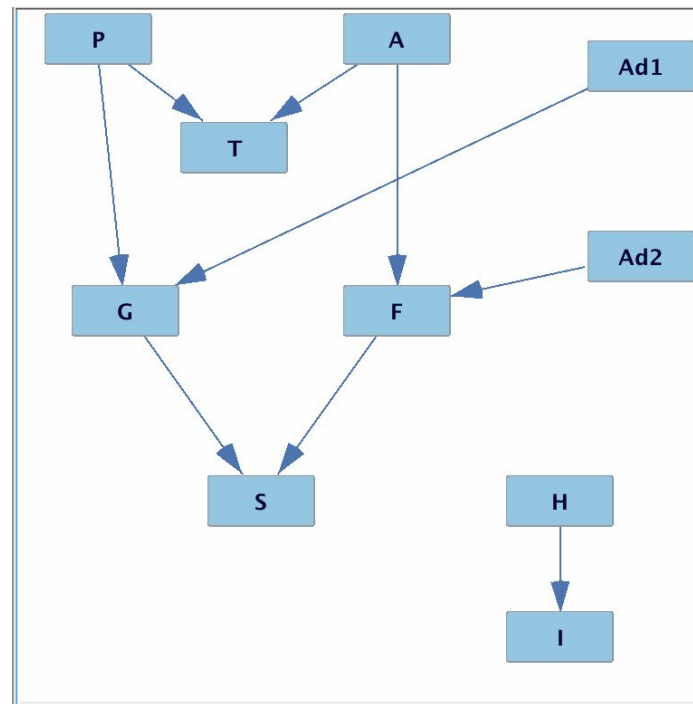


Part 1 Report

1.



2. The PC structural algorithm starts by testing all variables based on conditional independence. If two nodes are dependent on each other, an undirected link is made between the two nodes. The structure is then checked for cycles using conditional independence claims. Given the info from finding cycles through different independence claims, links are updated with direction. After this, all links that do not have a direction are given a random direction.

3. H and I were not able to be given a directed link because having three variables is essential in determining conditional independence claims about different nodes.