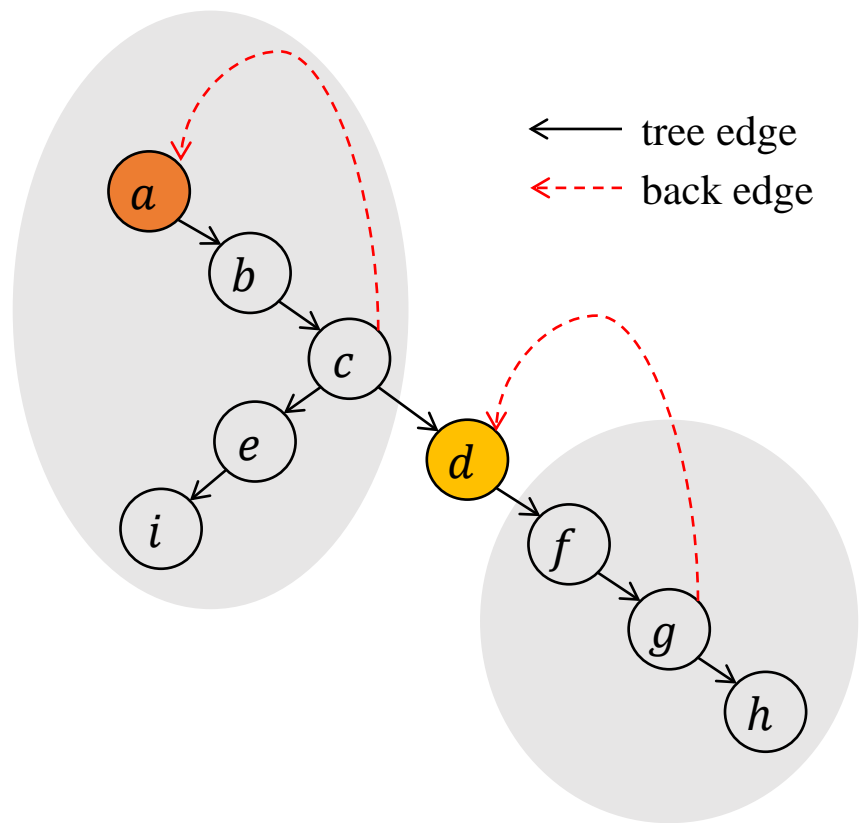


(a) A component

Convert  
→



(b) A DFS tree rooted at node  $a$