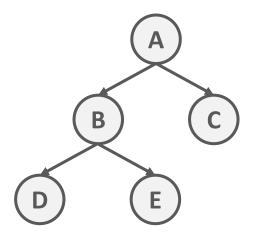
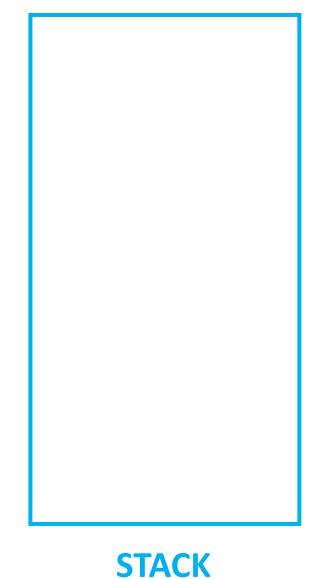
DFS and Stack Frames (Algorithmic Problems)

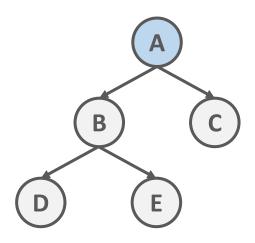


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)



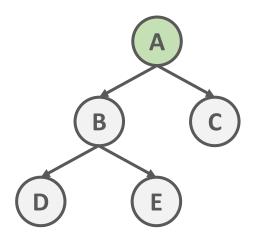


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(A)

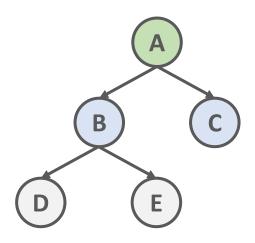


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(A)



dfs(node):

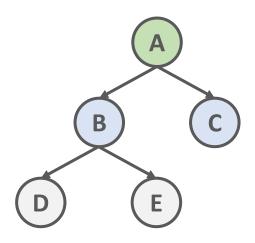
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(A)

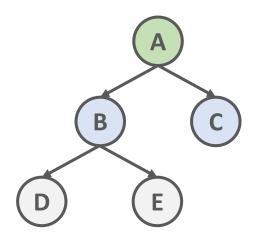


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(B) dfs(A)

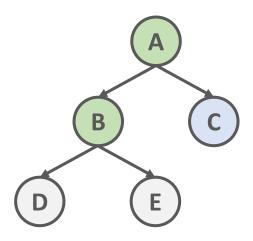


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(B) dfs(A)

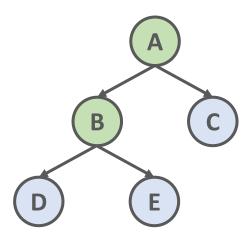


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(B) dfs(A)



dfs(node):

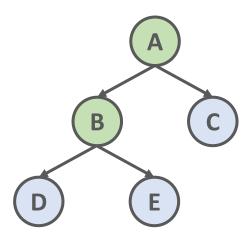
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(B) dfs(A)



dfs(node):

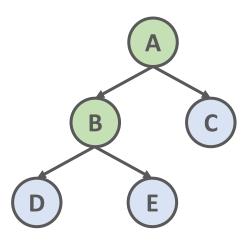
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(B) dfs(A)



dfs(node):

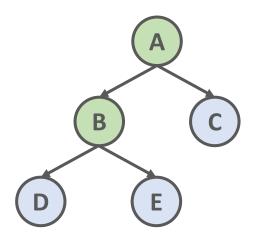
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(D) dfs(B) dfs(A)

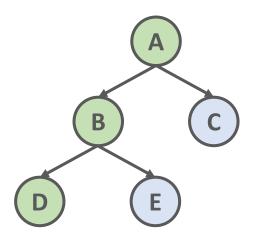


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(D) dfs(B) dfs(A)

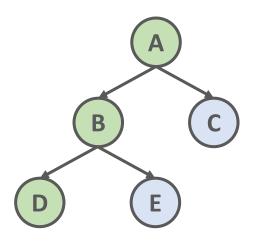


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(D) dfs(B) dfs(A)



dfs(node):

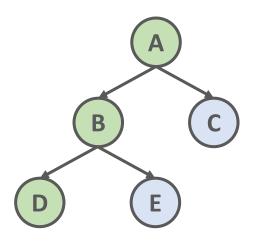
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(D) dfs(B) dfs(A)

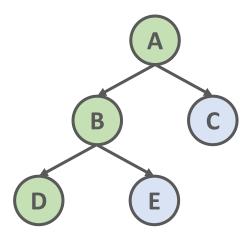


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(D) dfs(B) dfs(A)

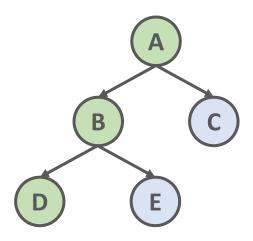


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(B) dfs(A)



dfs(node):

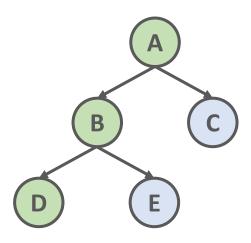
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(B) dfs(A)

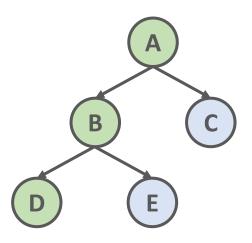


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(B) dfs(A)

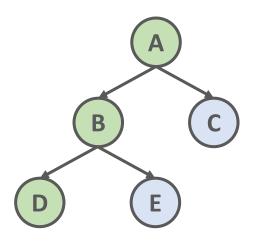


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(E) dfs(B) dfs(A)

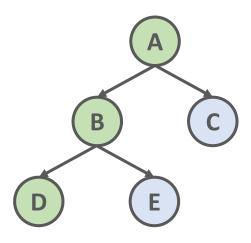


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(E) dfs(B) dfs(A)

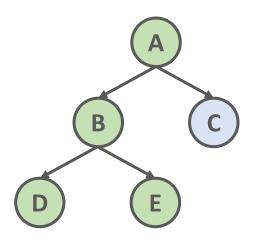


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(E) dfs(B) dfs(A)

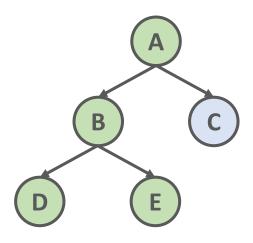


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(E) dfs(B) dfs(A)



dfs(node):

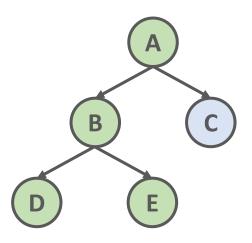
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(E) dfs(B) dfs(A)

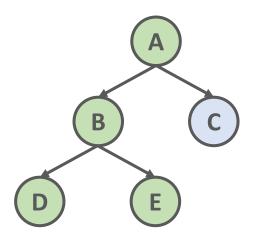


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(E) dfs(B) dfs(A)

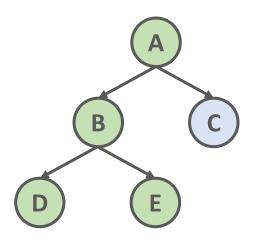


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(B) dfs(A)

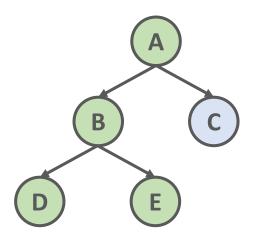


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(A)



dfs(node):

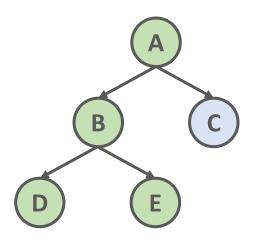
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(A)

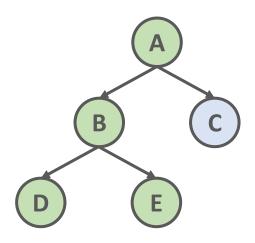


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(C) dfs(A)

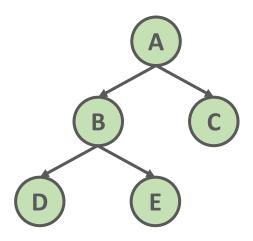


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(C) dfs(A)

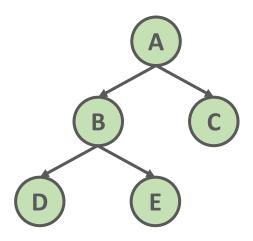


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(C) dfs(A)



dfs(node):

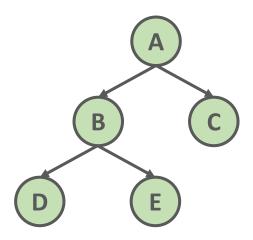
set node to be visited

for n neighbor of node

if n is not already visited

dfs(n)

dfs(C) dfs(A)

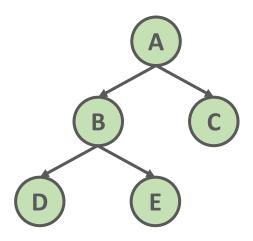


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dfs(C) dfs(A)

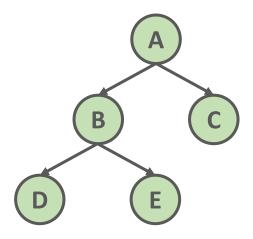


dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

dfs(A)



dfs(node):

set node to be visited

for n neighbor of node
if n is not already visited
dfs(n)

