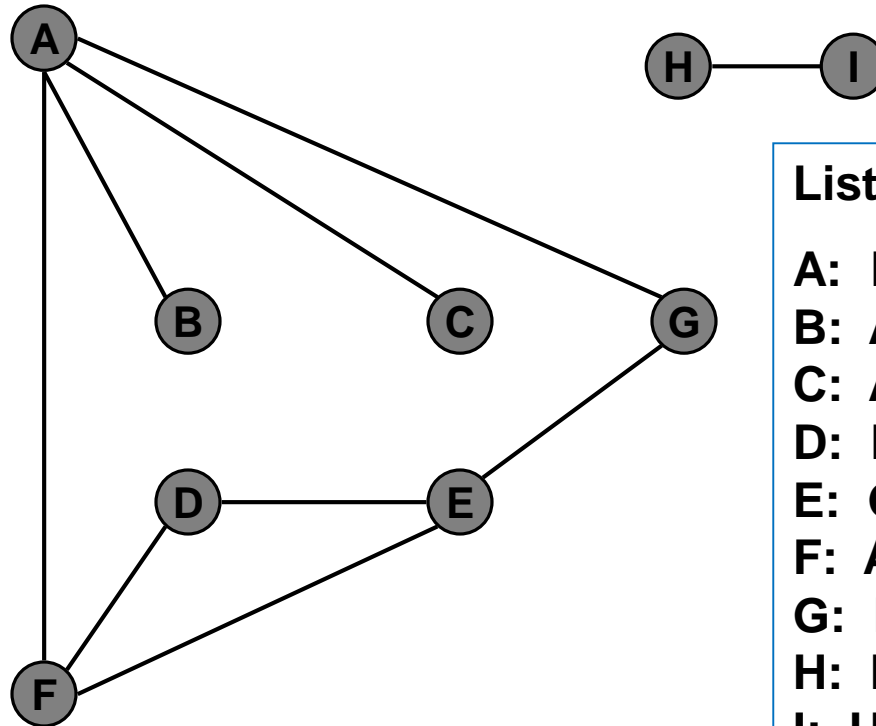


Recorrido en profundidad (dfs)



$V = \{A, B, C, D, E, F, G, H, I\}$

$E = \{ (A, F), (A, C), (A, B), (A, G),$
 $(B, A), (C, A), (D, F), (D, E),$
 $(E, G), (E, F), (E, D), (F, A), (F, E), (F, D),$
 $(G, E), (G, A), (H, I), (I, H) \}$

Lista de adyacencia

A: $F \rightarrow C \rightarrow B \rightarrow G$

B: A

C: A

D: $F \rightarrow E$

E: $G \rightarrow F \rightarrow D$

F: $A \rightarrow E \rightarrow D$

G: $E \rightarrow A$

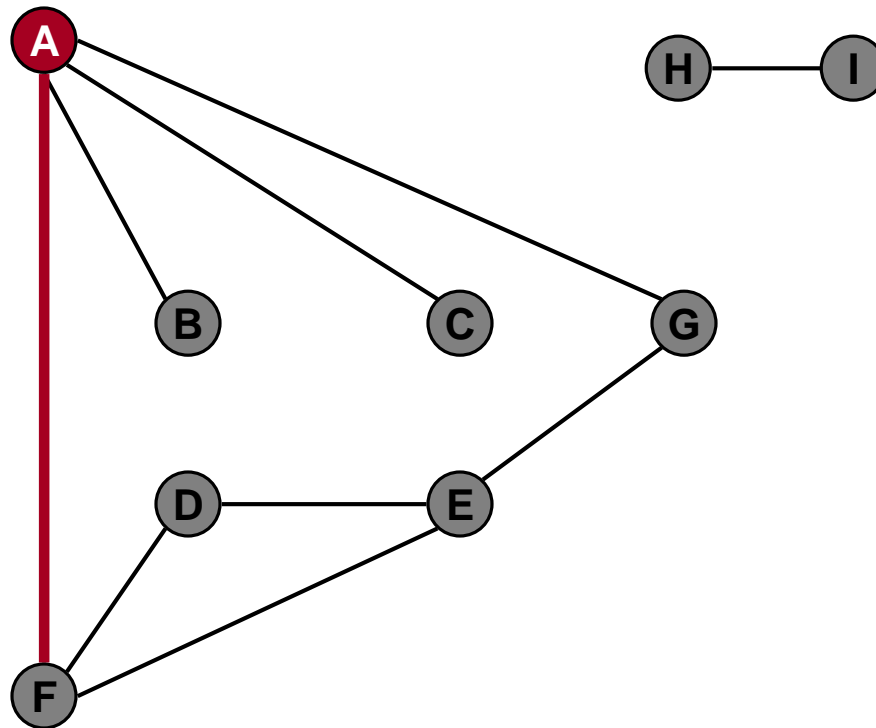
H: I

I: H

$\text{dfs}(\text{Grafo}) = \langle \rangle$



Recorrido en profundidad (dfs)

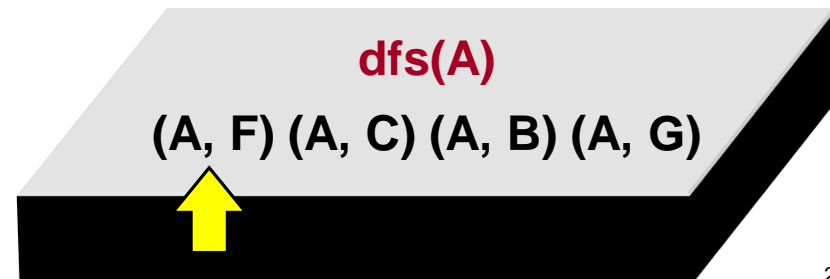


sin visitar

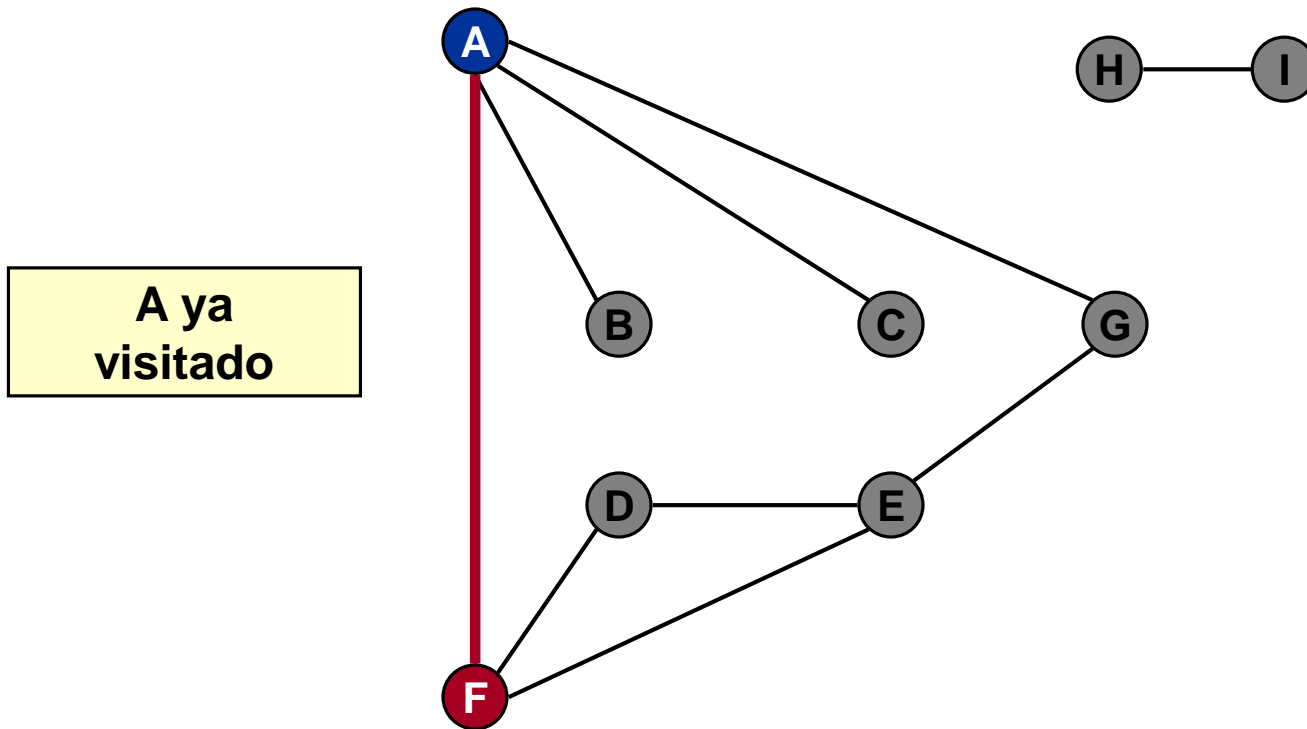
$\text{dfs}(\text{Grafo}) = \langle \text{A} \rangle$



Pila



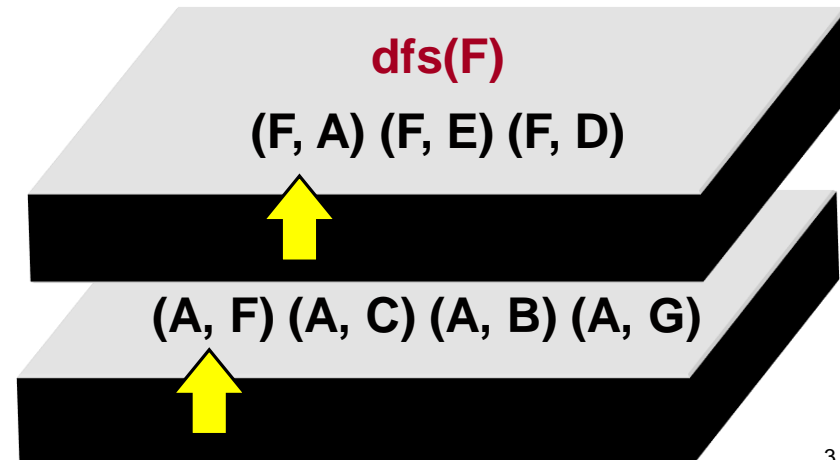
Recorrido en profundidad (dfs)



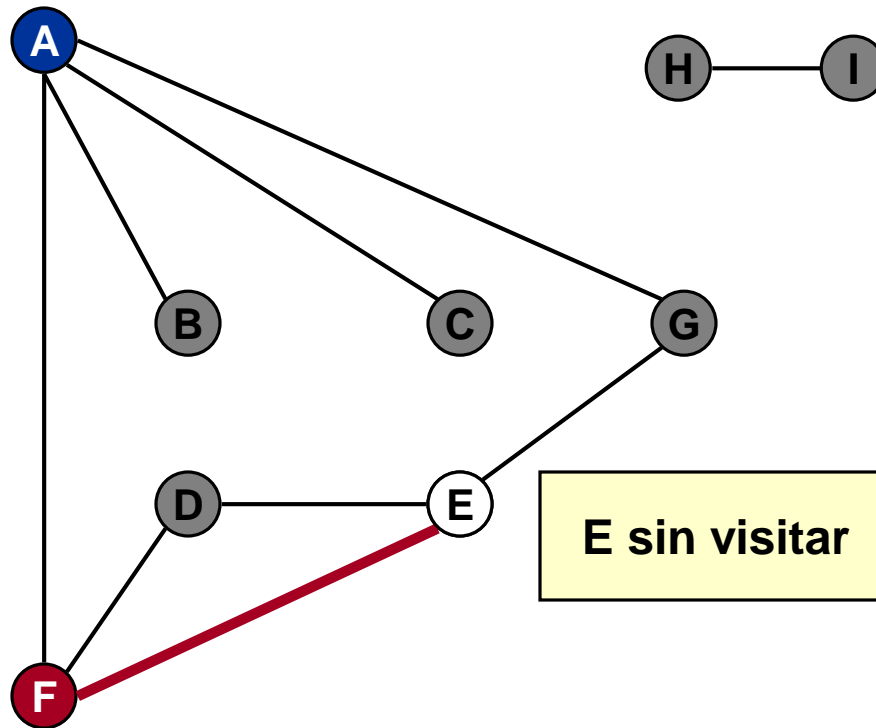
$\text{dfs}(\text{Grafo}) = \langle A \text{ F} \rangle$



Pila



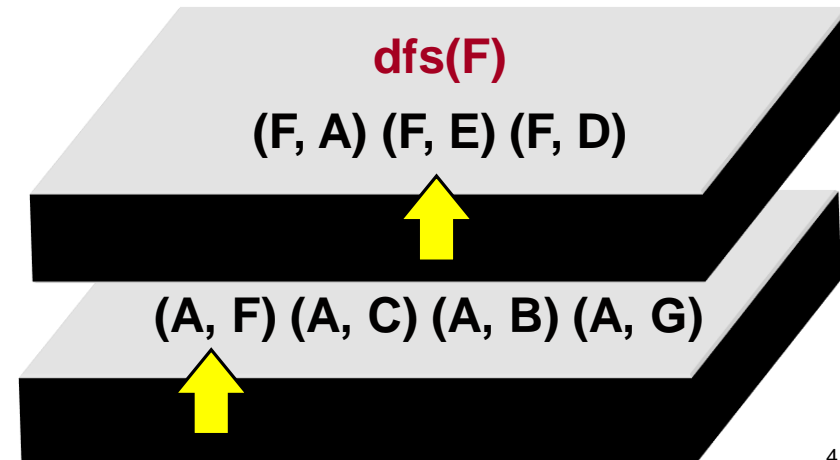
Recorrido en profundidad (dfs)



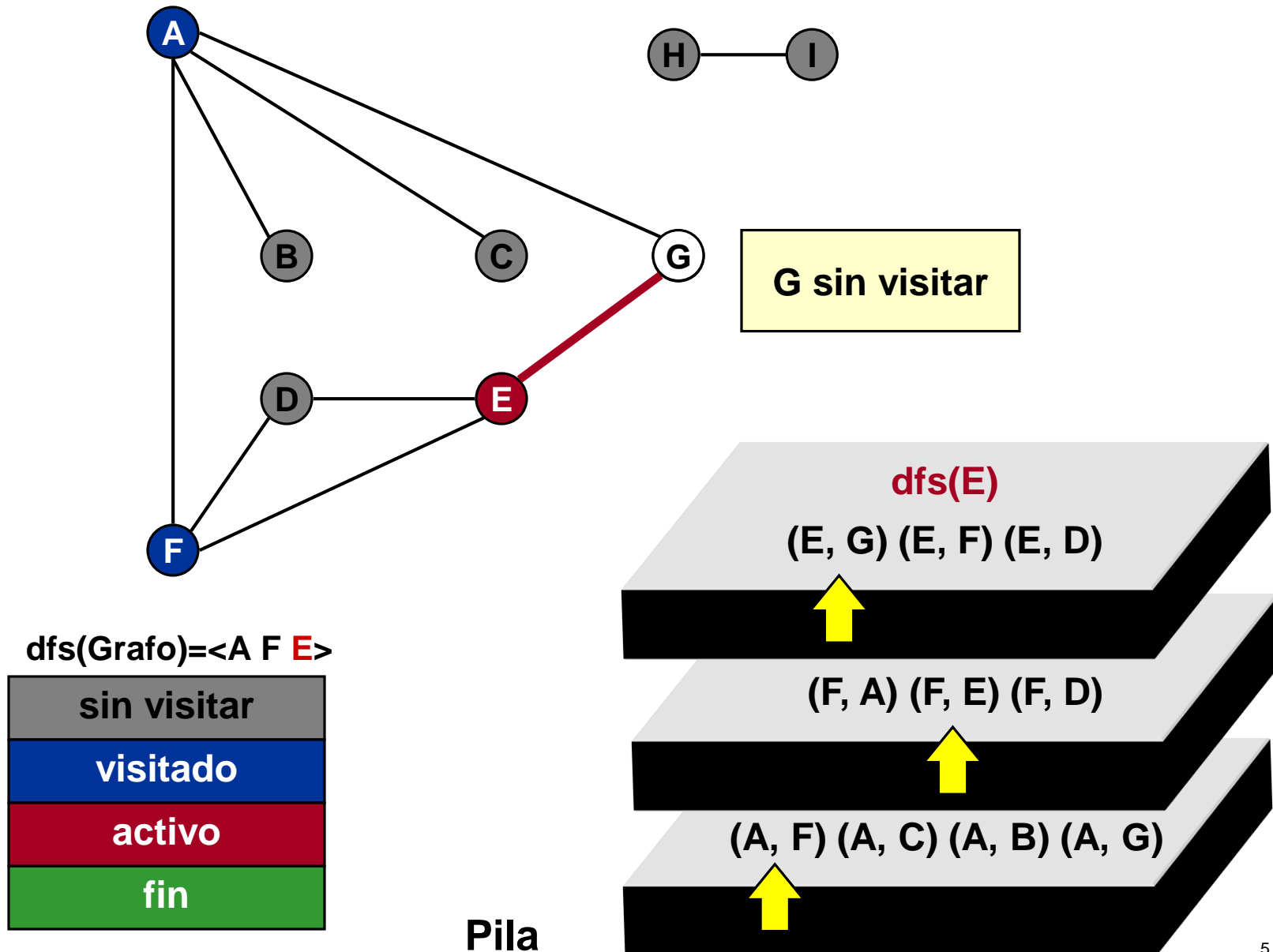
$\text{dfs}(\text{Grafo}) = \langle A \ F \rangle$



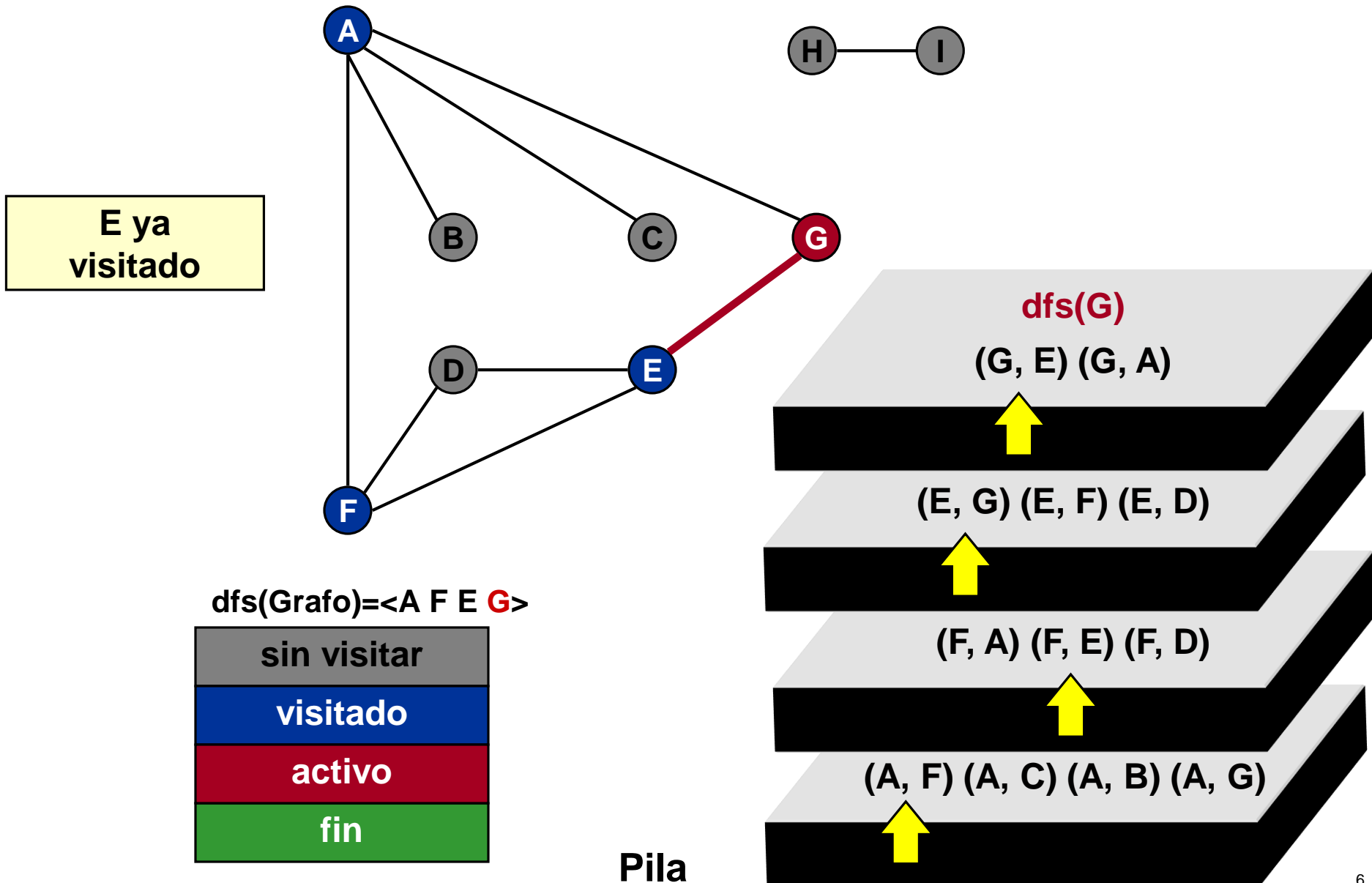
Pila



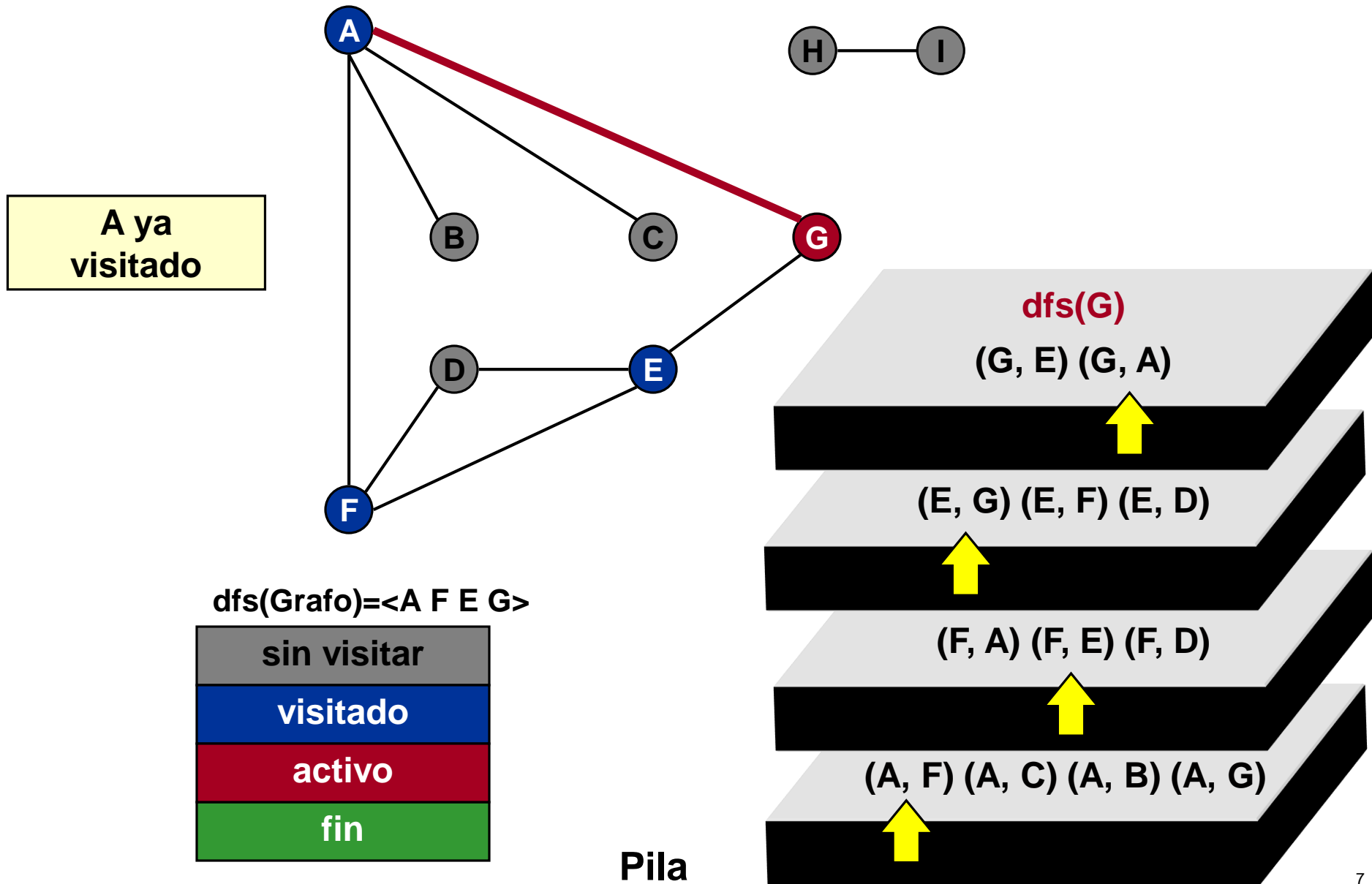
Recorrido en profundidad (dfs)



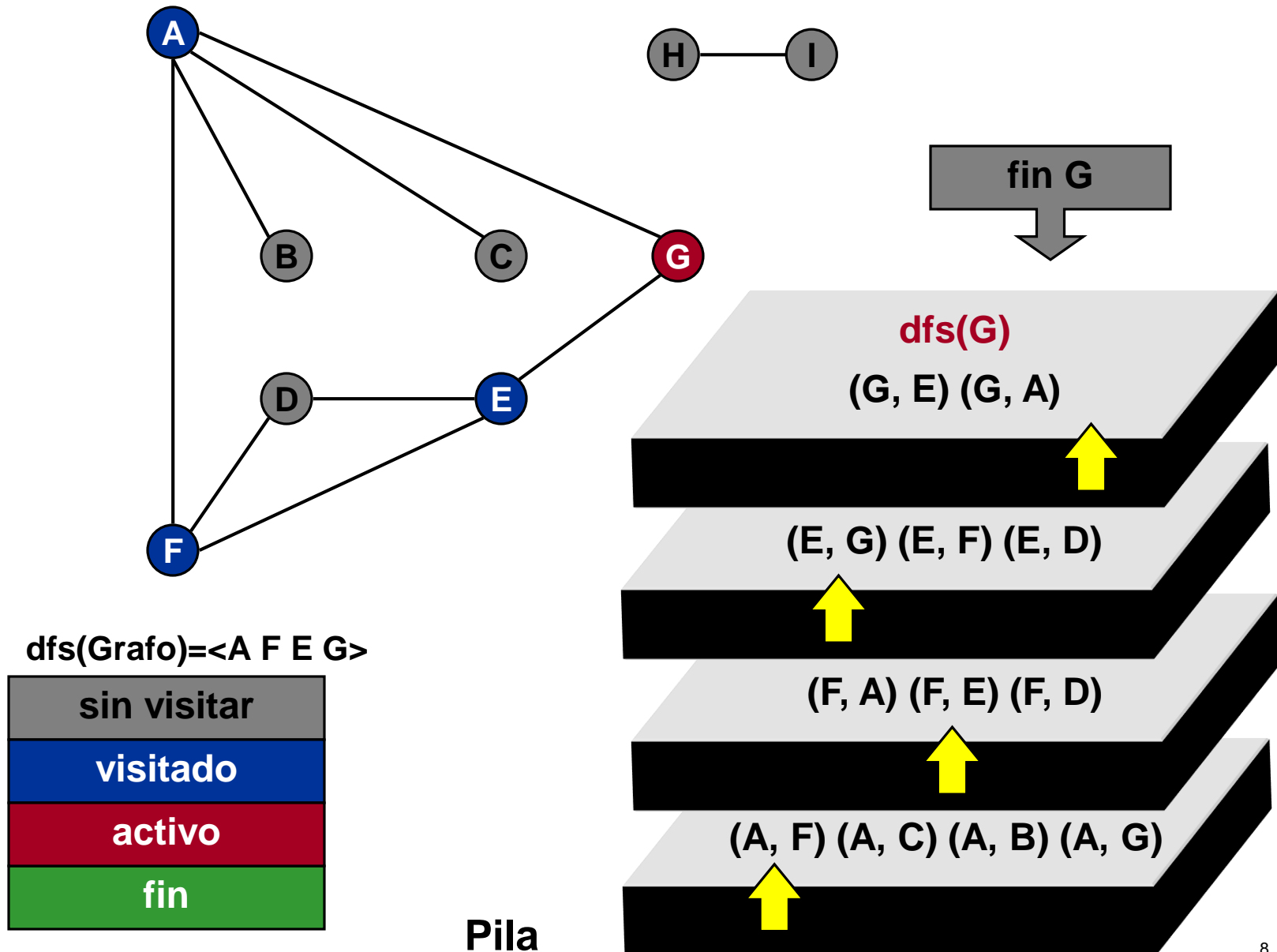
Recorrido en profundidad (dfs)



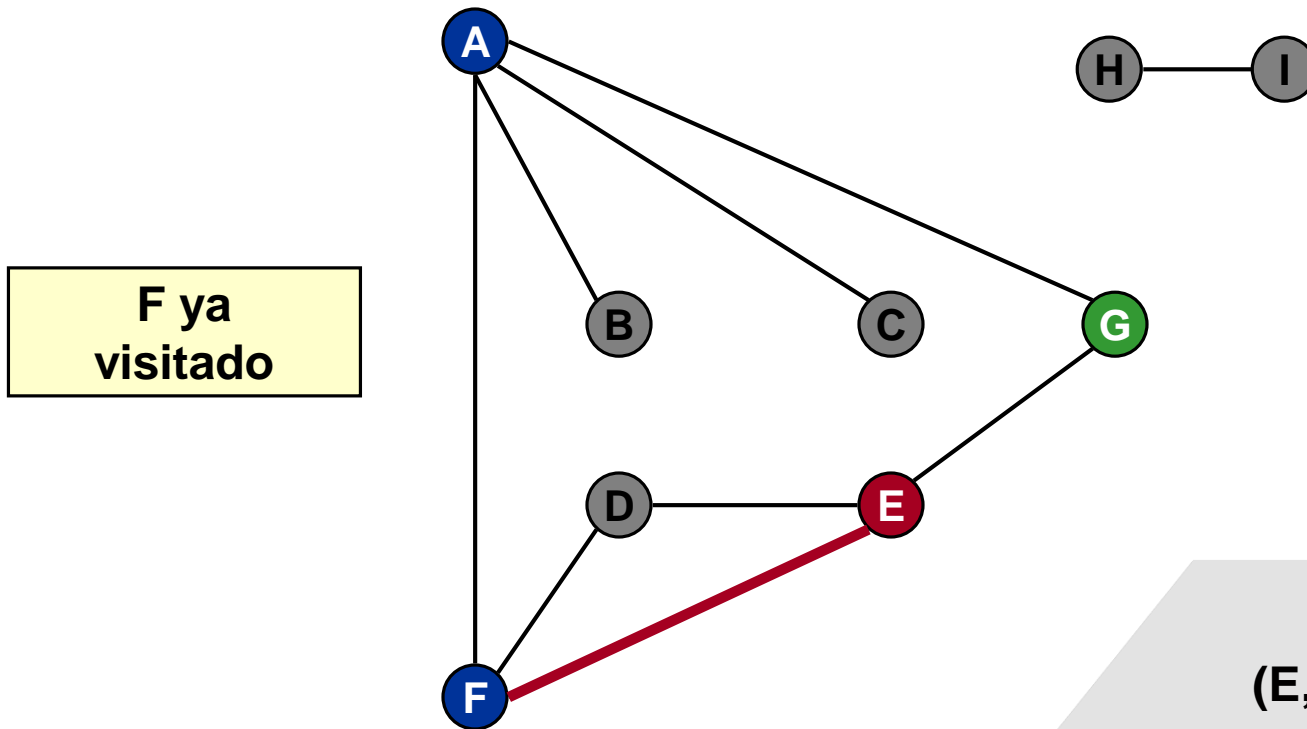
Recorrido en profundidad (dfs)



Recorrido en profundidad (dfs)



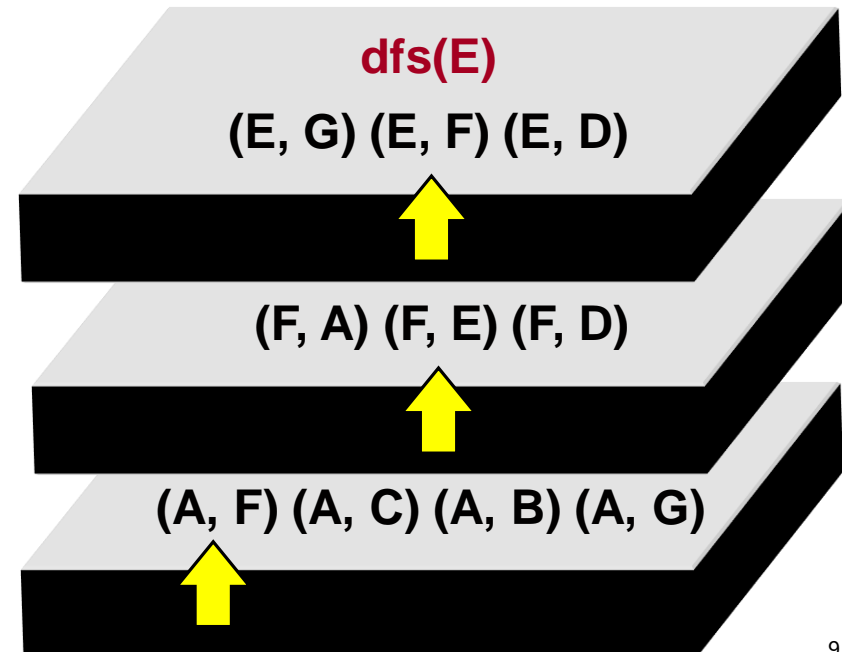
Recorrido en profundidad (dfs)



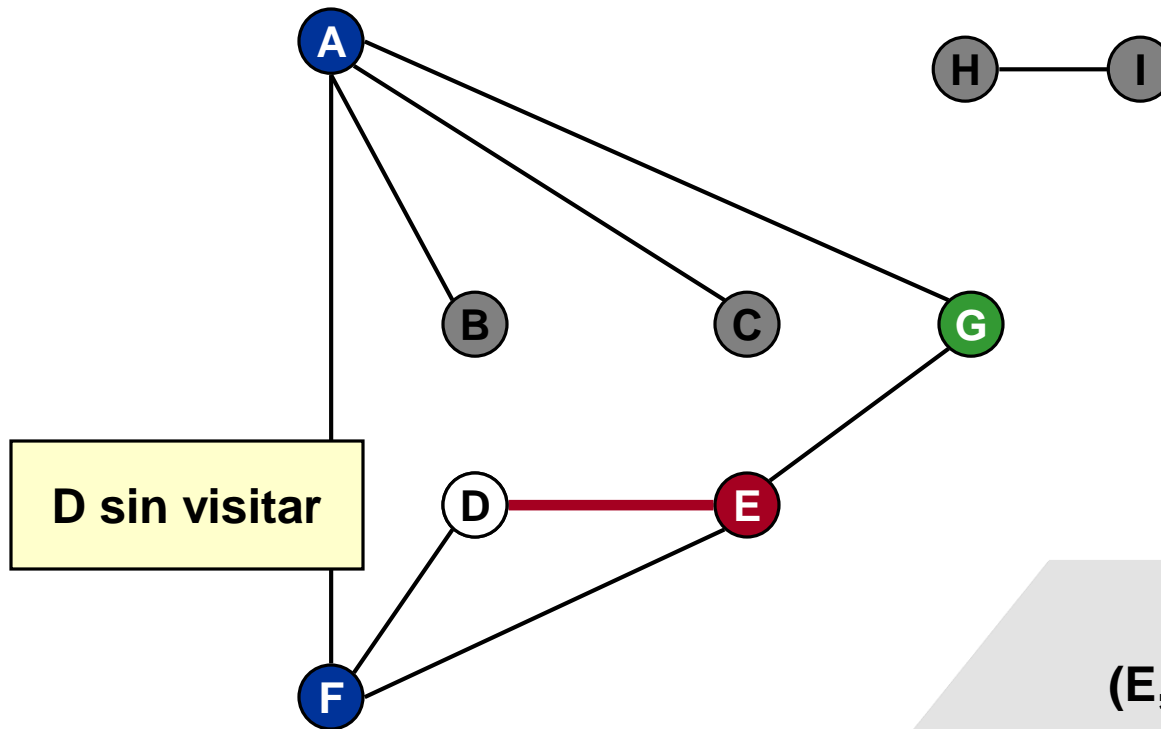
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \rangle$



Pila



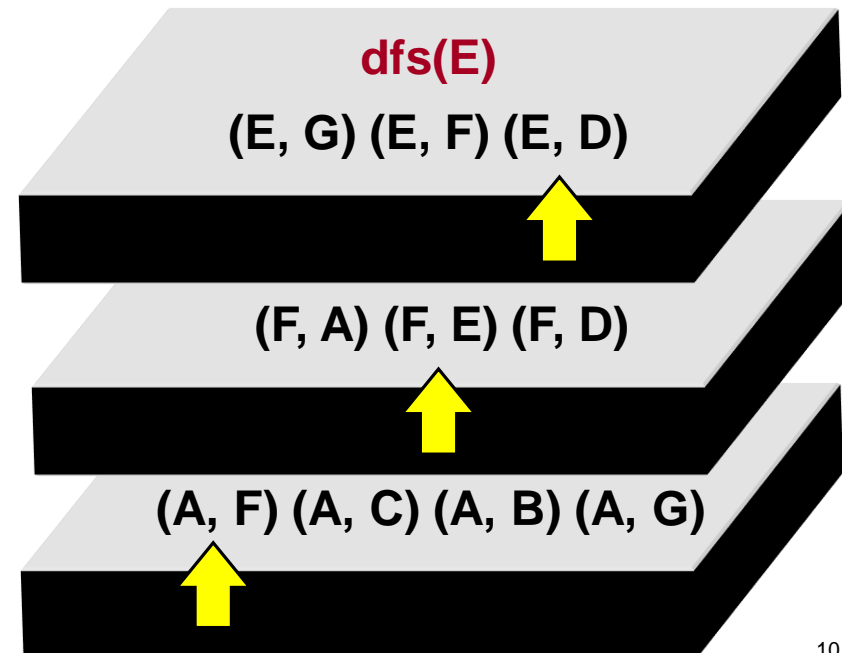
Recorrido en profundidad (dfs)



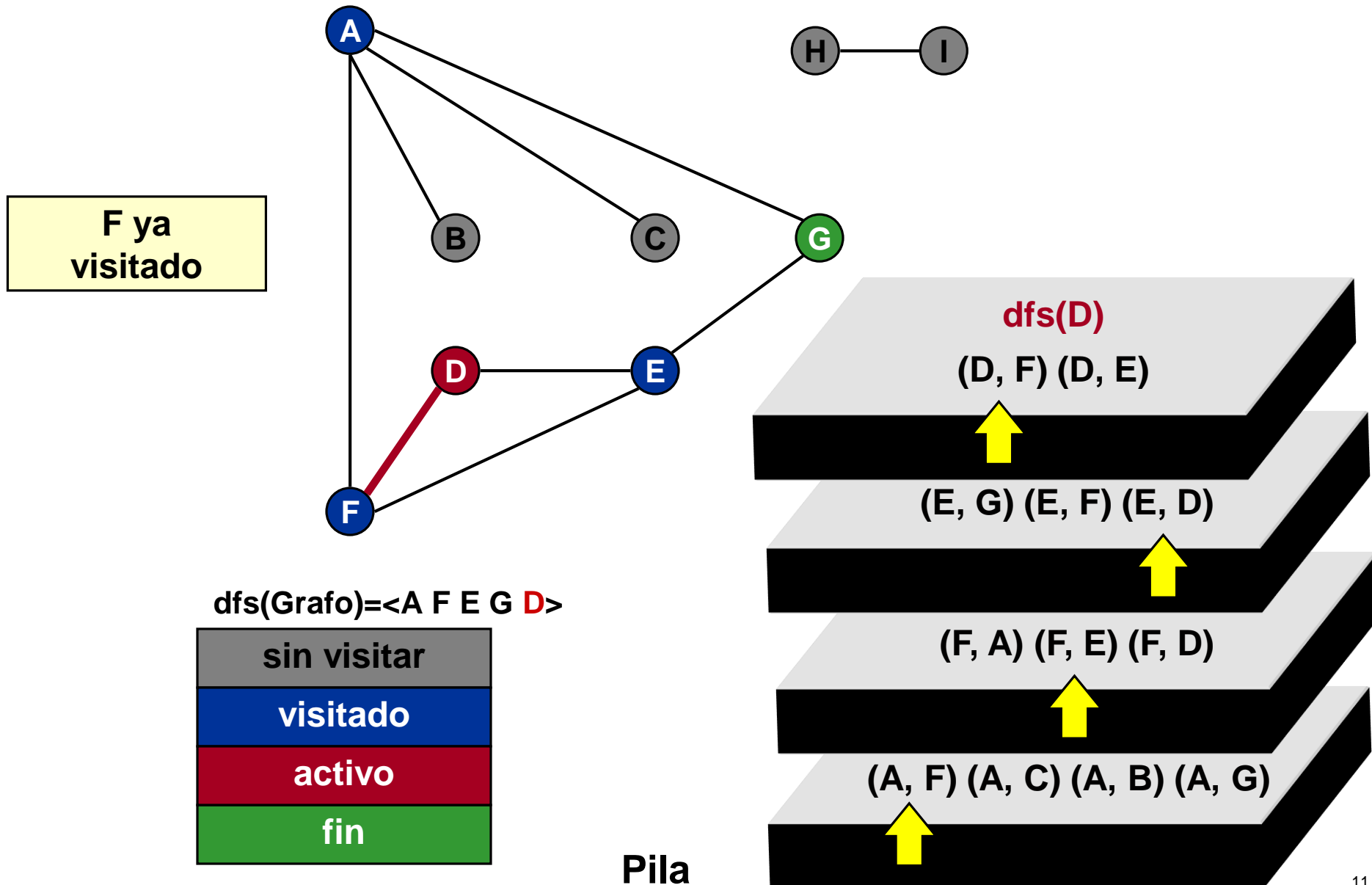
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \rangle$



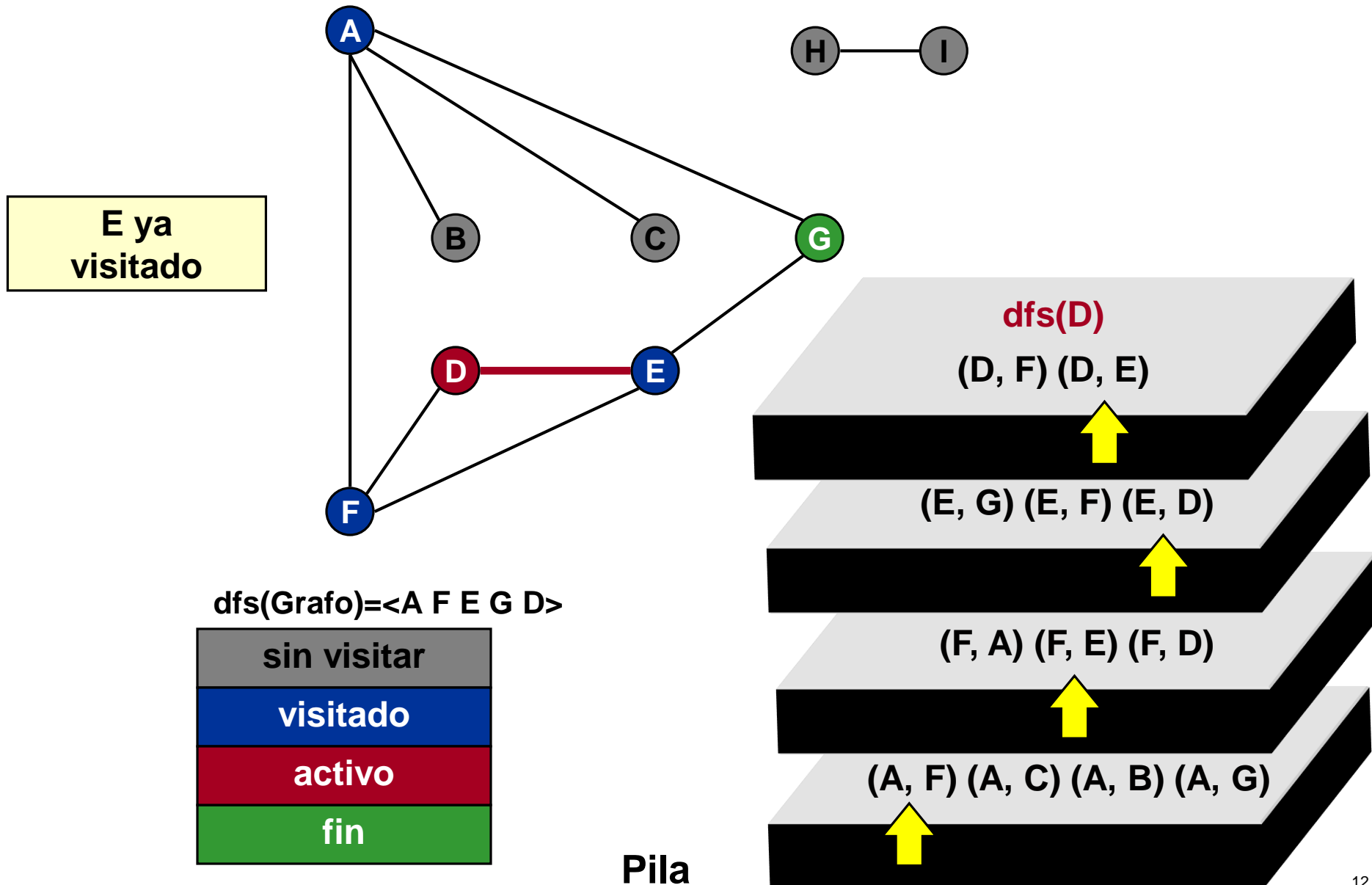
Pila



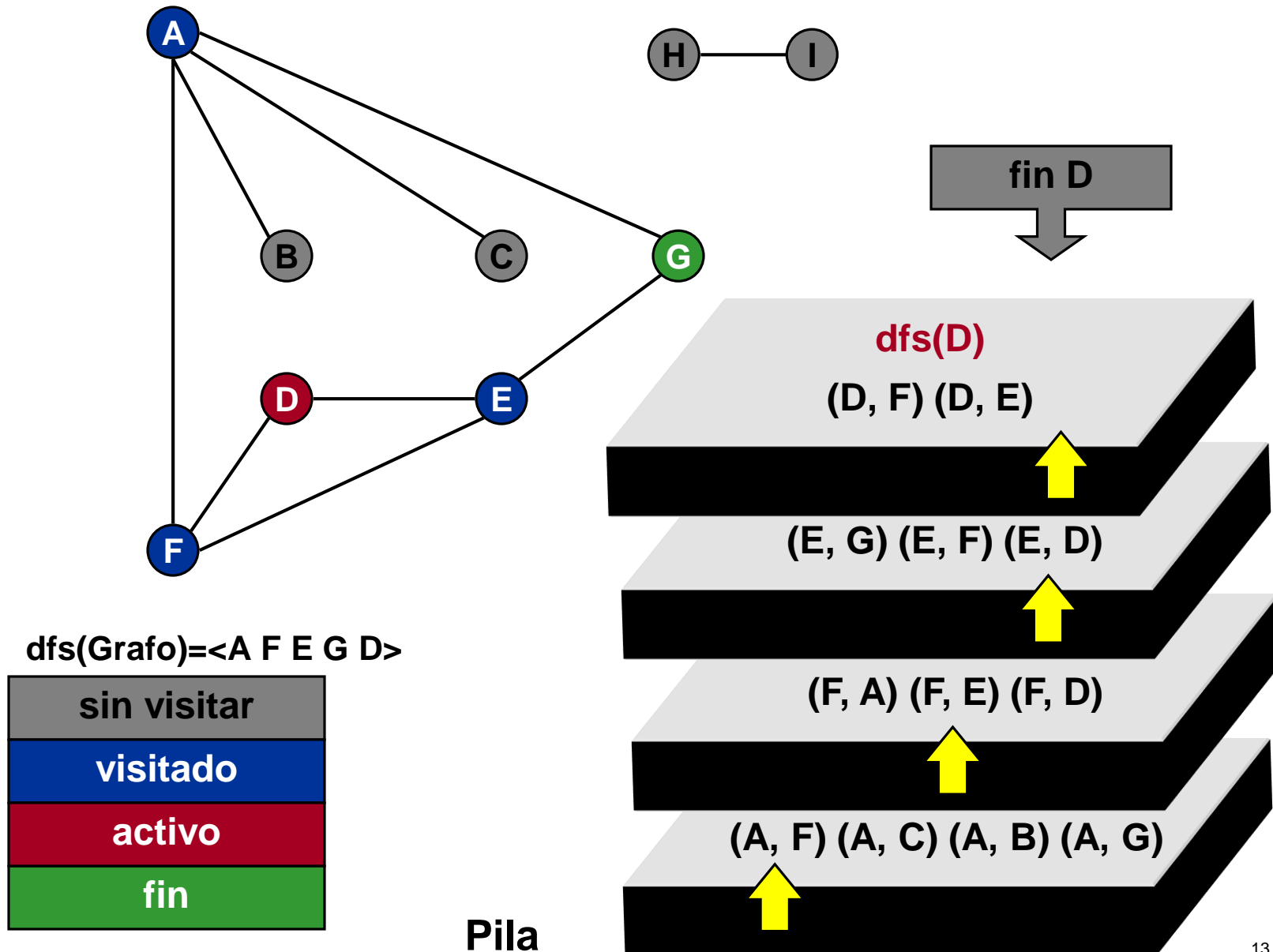
Recorrido en profundidad (dfs)



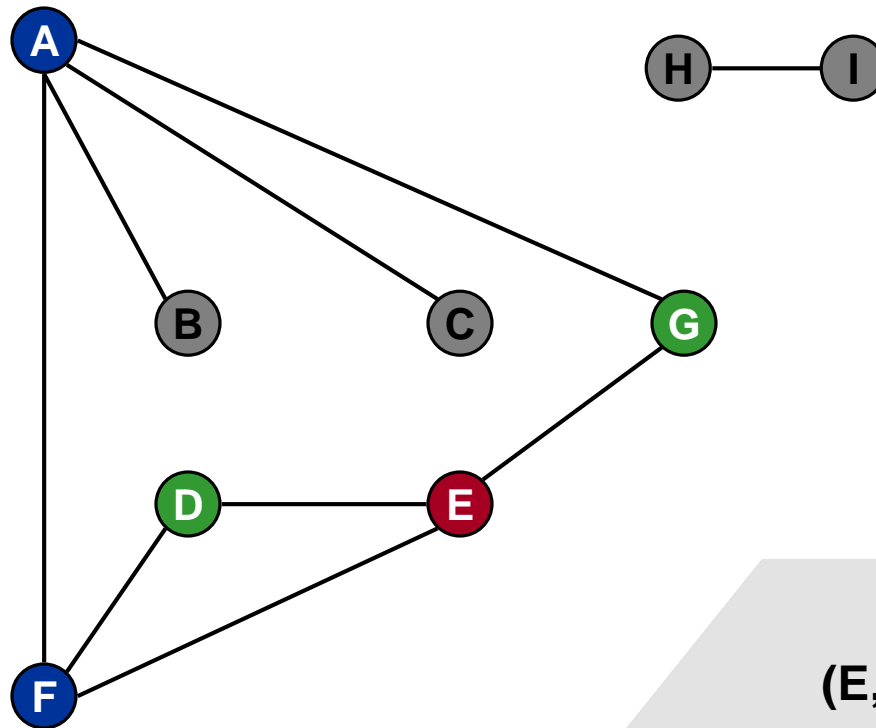
Recorrido en profundidad (dfs)



Recorrido en profundidad (dfs)



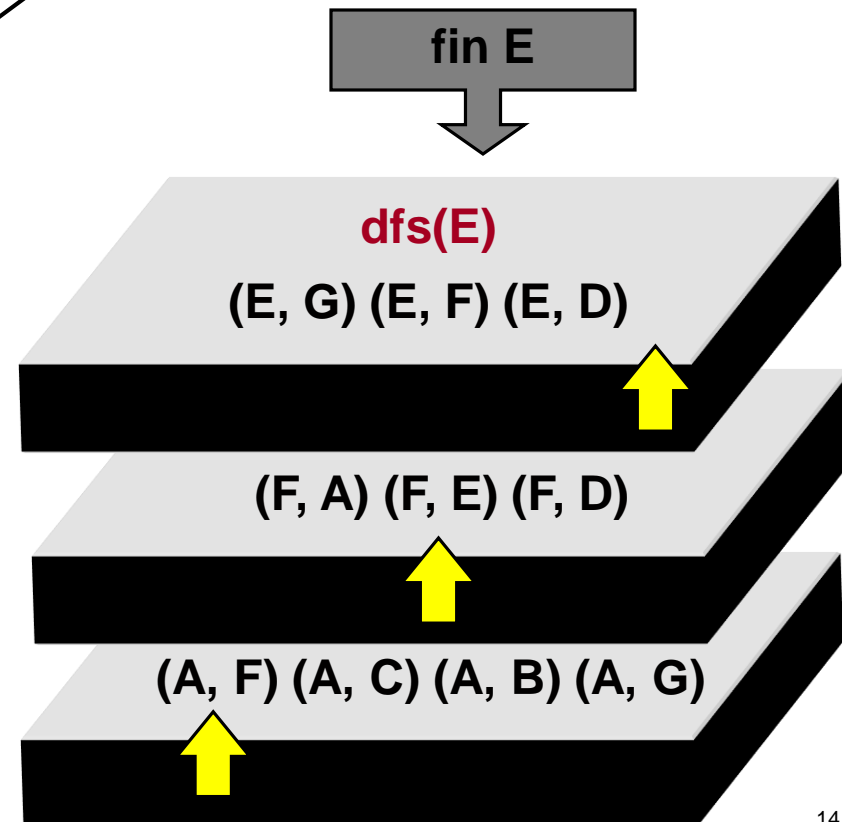
Recorrido en profundidad (dfs)



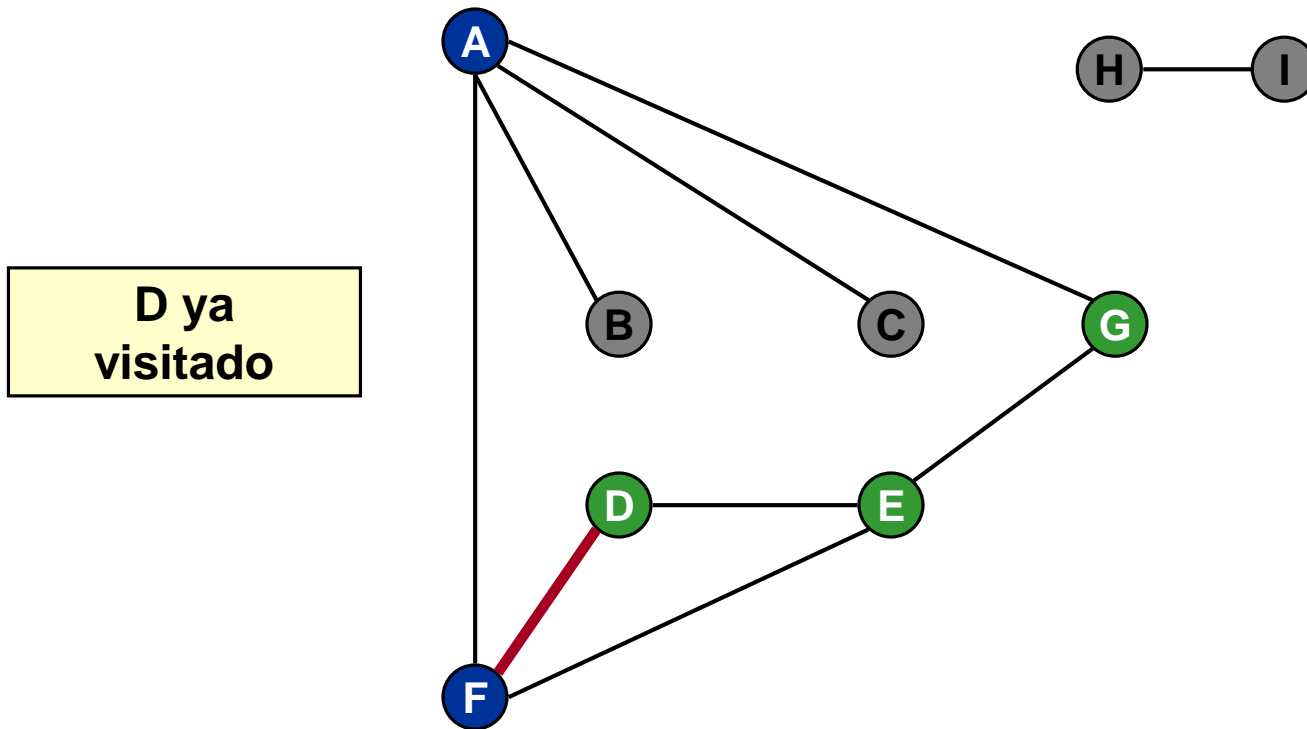
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \rangle$



Pila



Recorrido en profundidad (dfs)

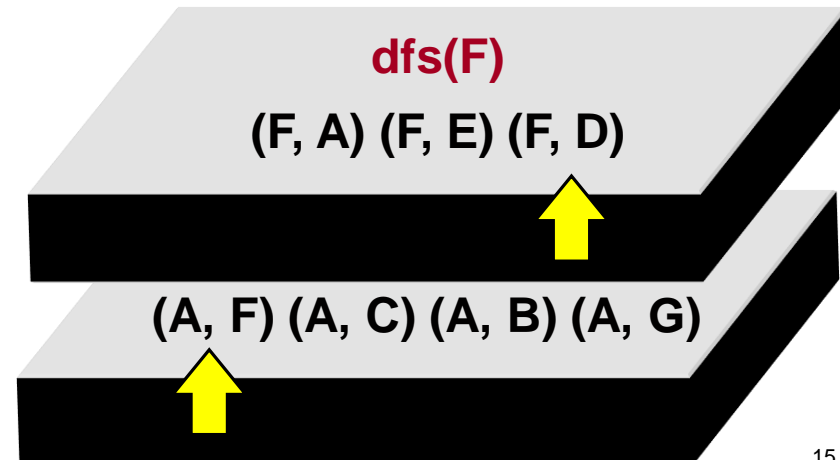


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visitado

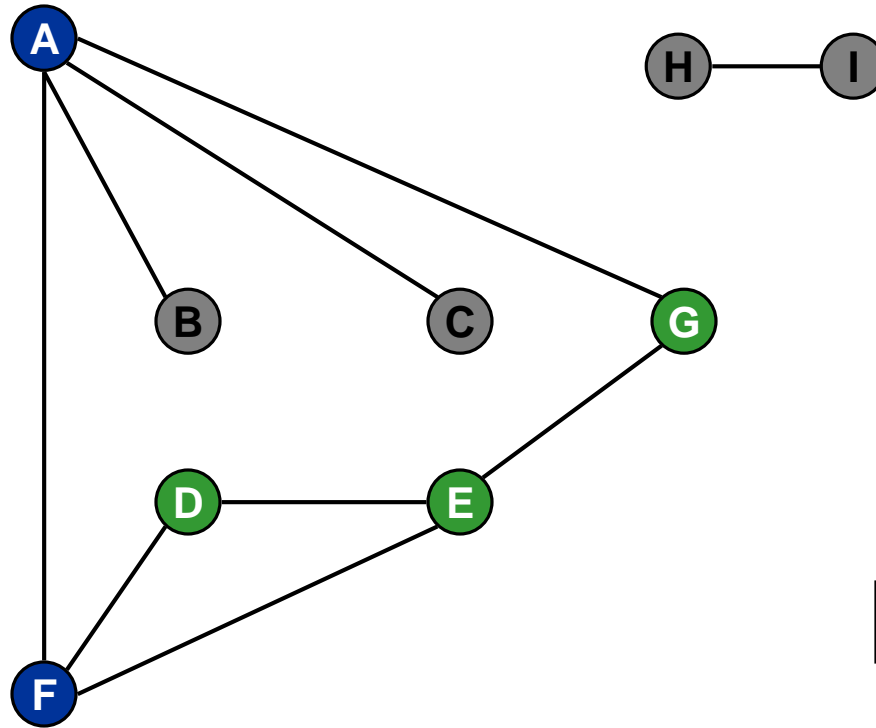
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \rangle$



Pila



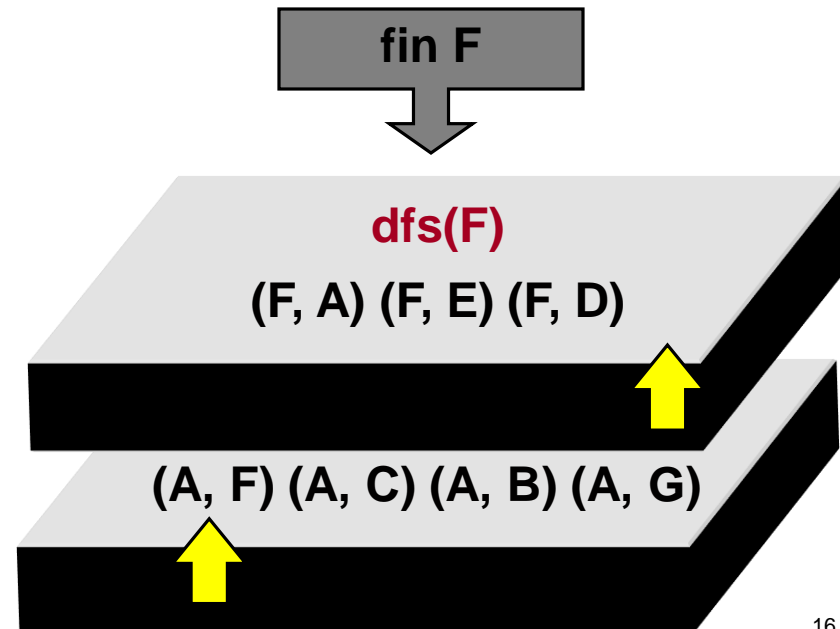
Recorrido en profundidad (dfs)



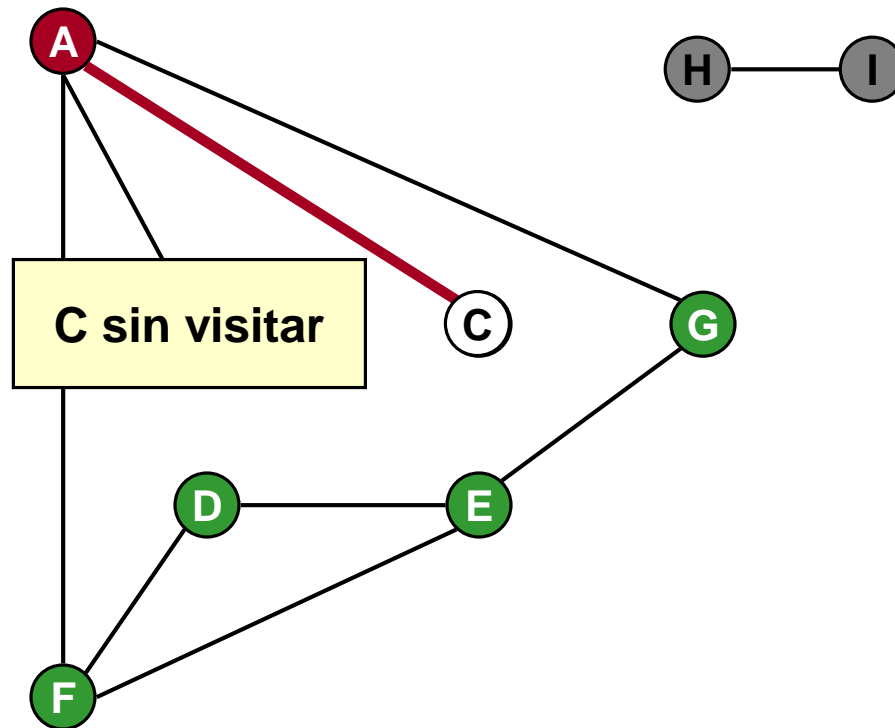
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \rangle$



Pila



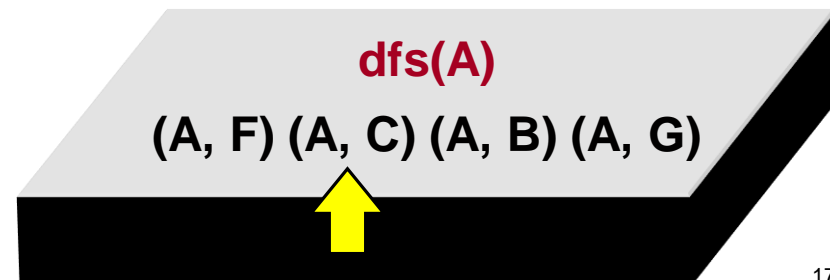
Recorrido en profundidad (dfs)



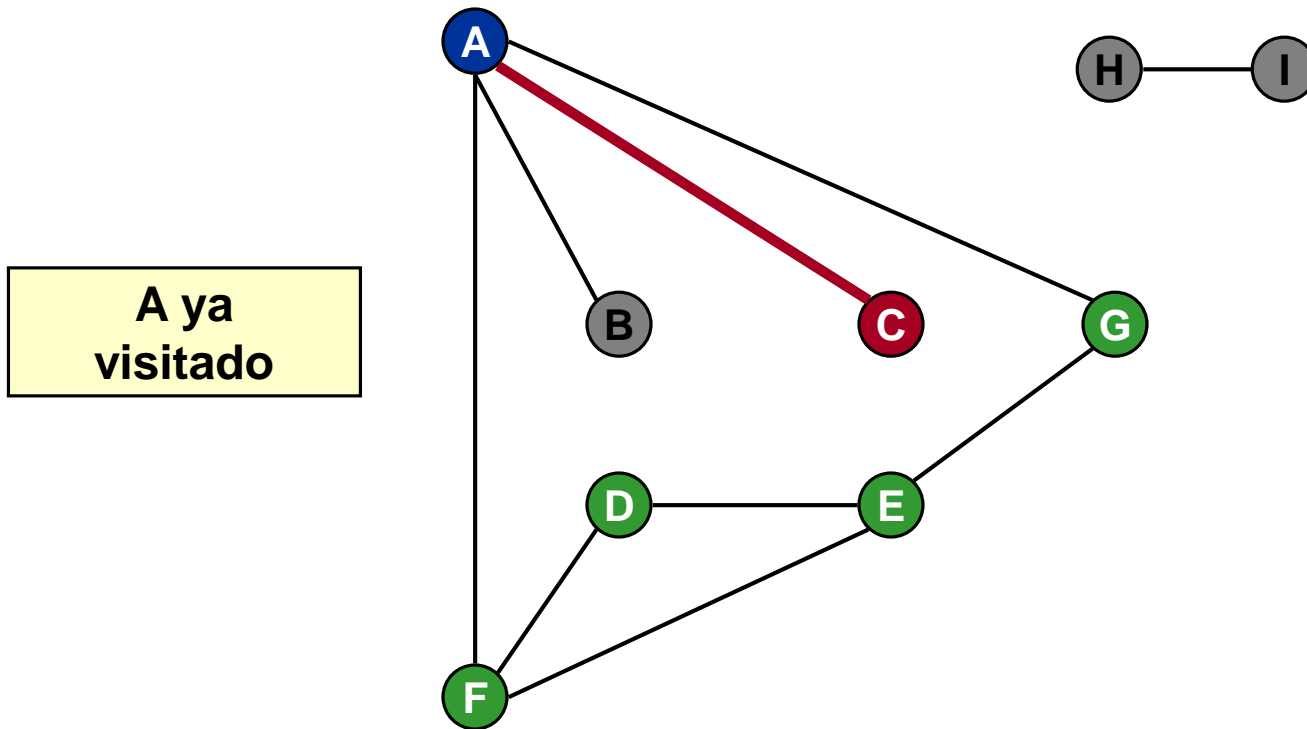
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \rangle$



Pila



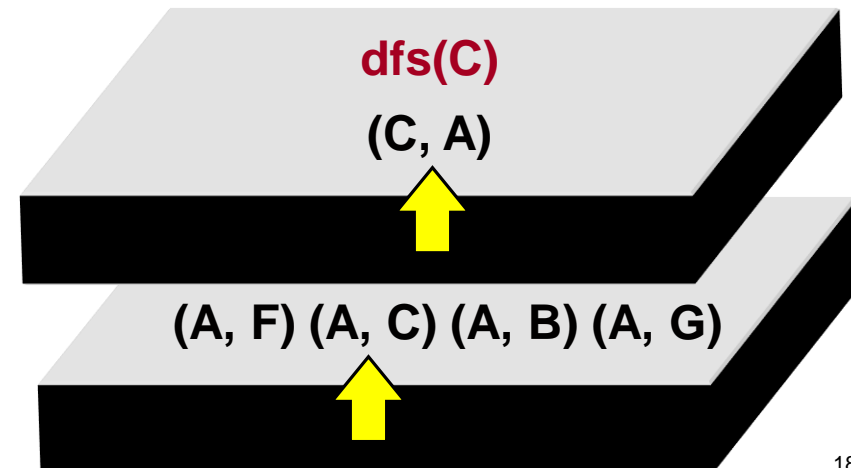
Recorrido en profundidad (dfs)



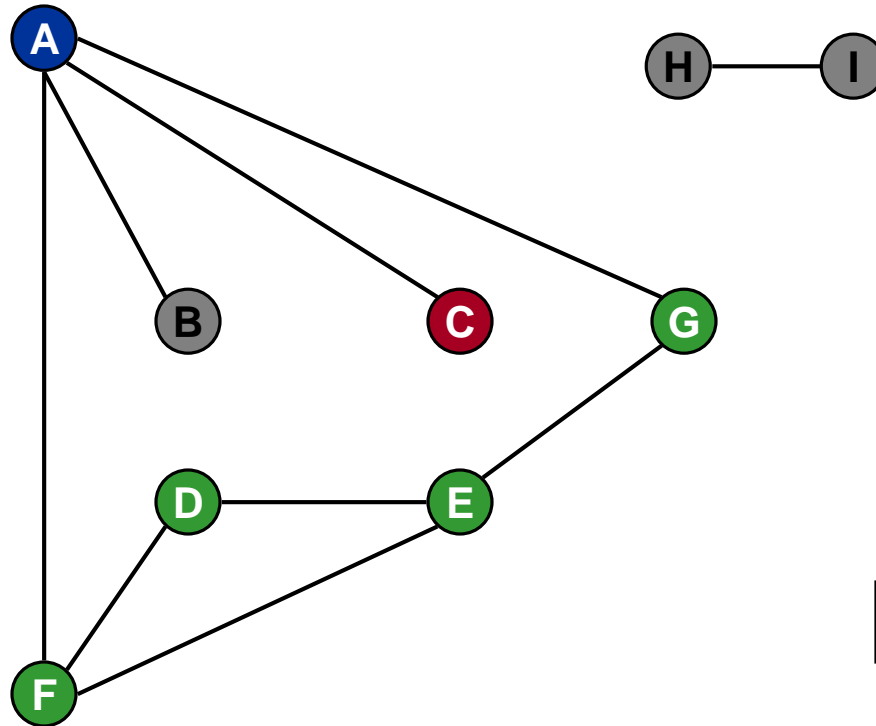
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \rangle$



Pila



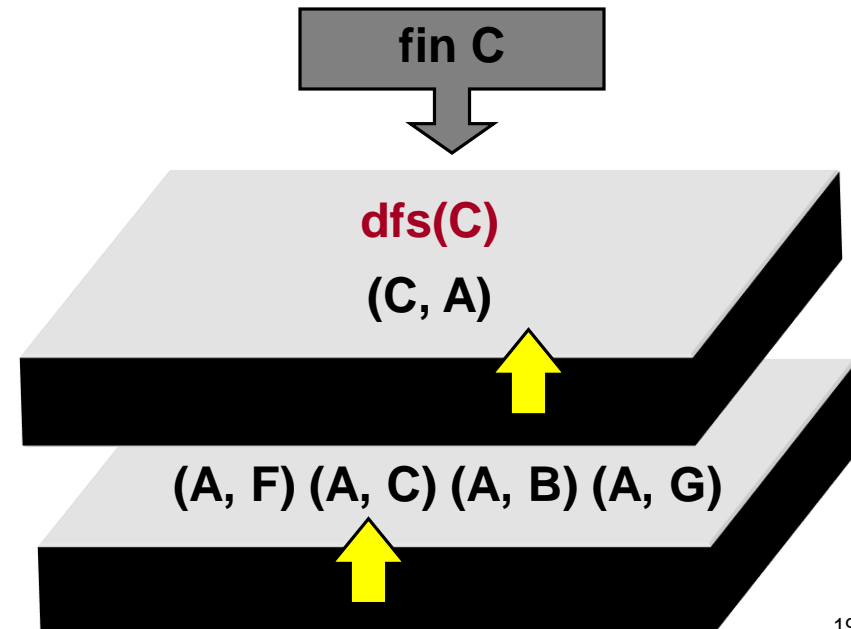
Recorrido en profundidad (dfs)



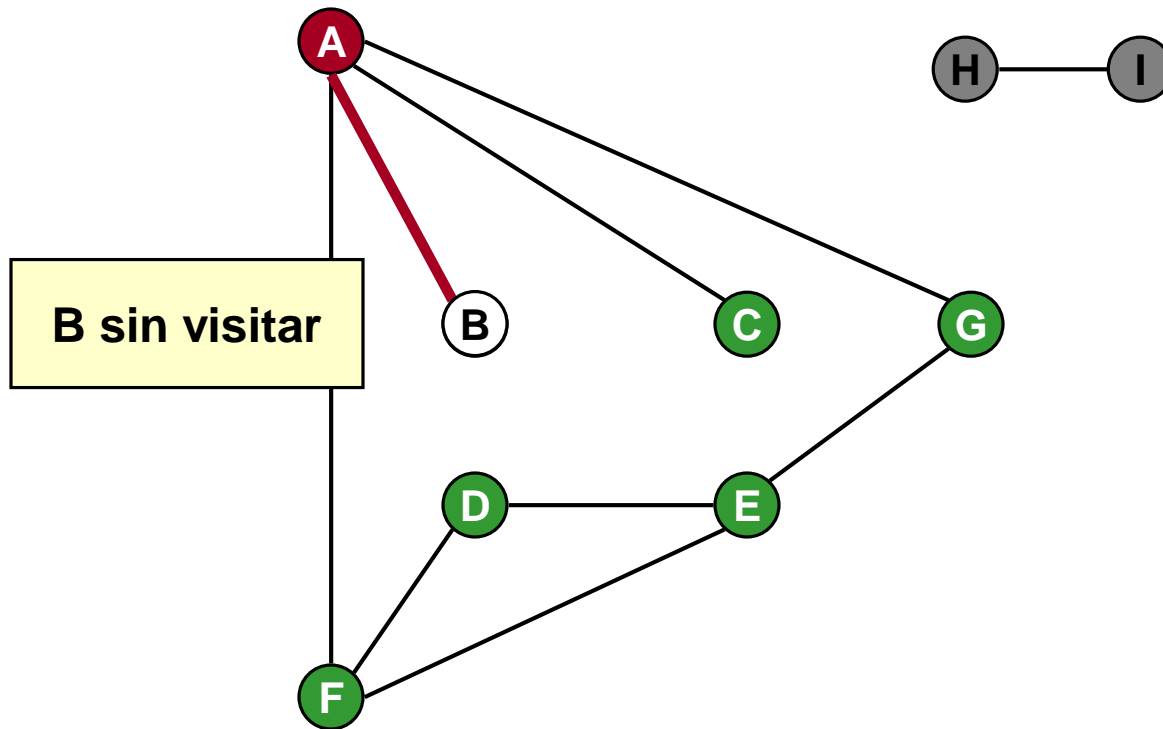
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \rangle$



Pila



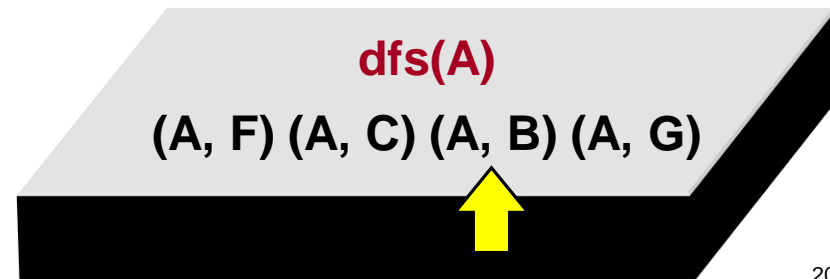
Recorrido en profundidad (dfs)



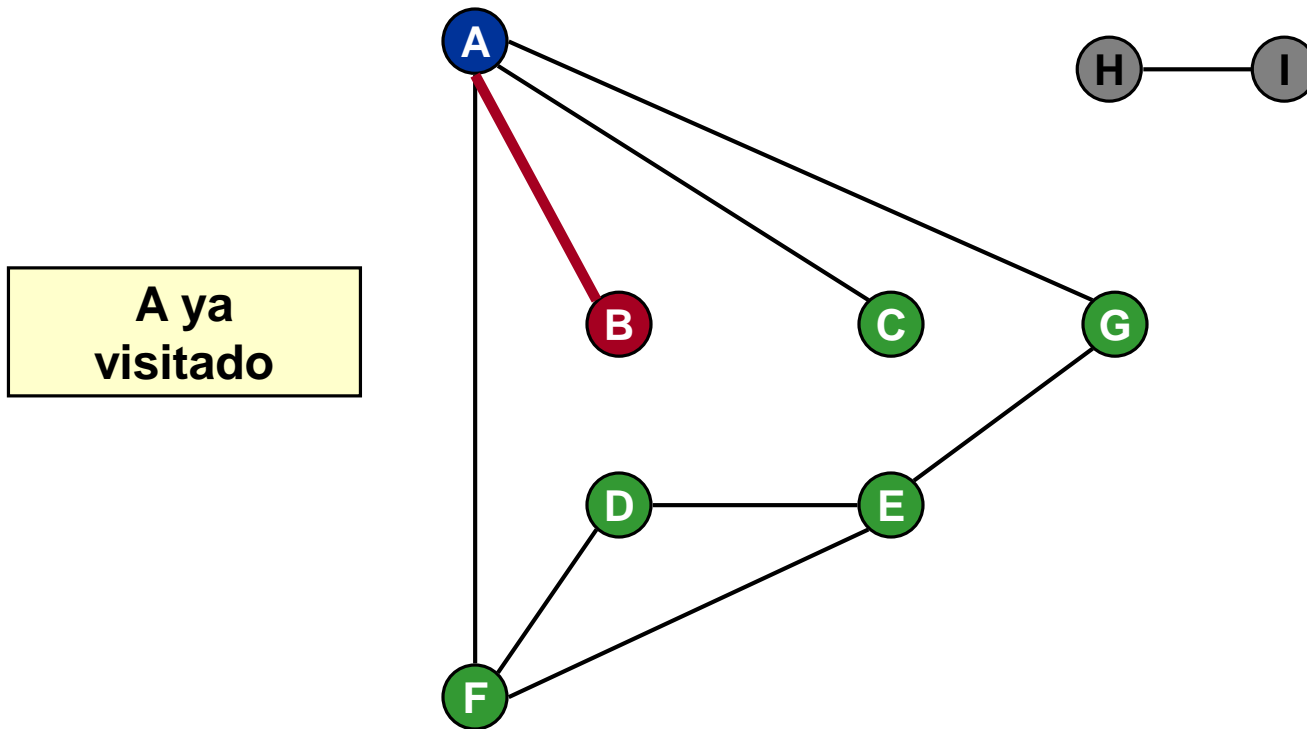
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \rangle$



Pila



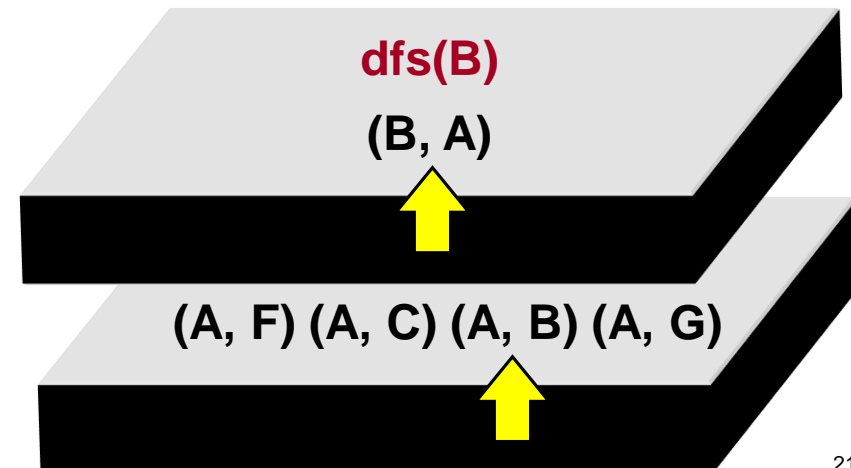
Recorrido en profundidad (dfs)



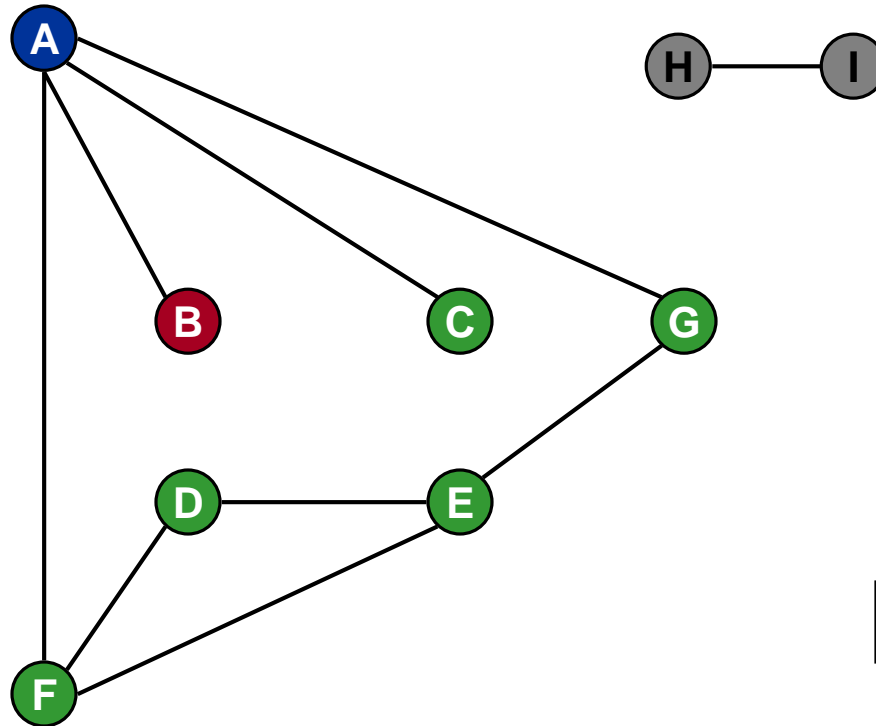
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ \mathbf{B} \rangle$



Pila



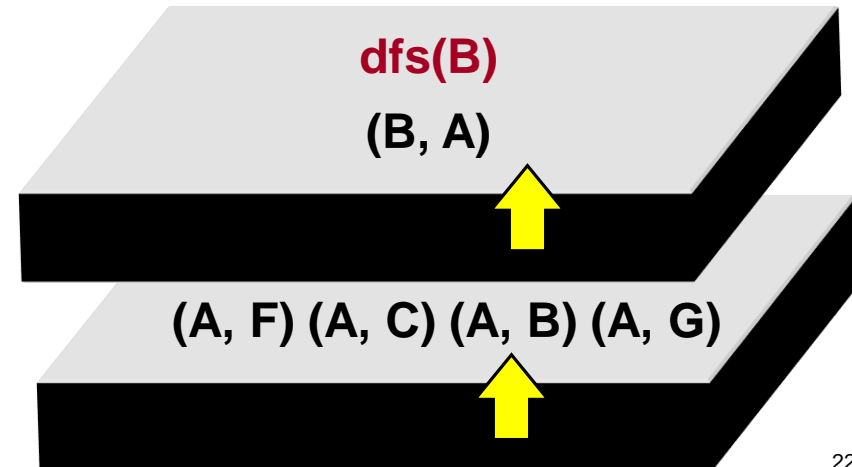
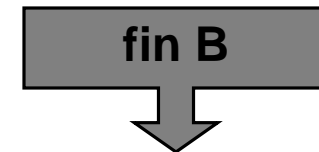
Recorrido en profundidad (dfs)



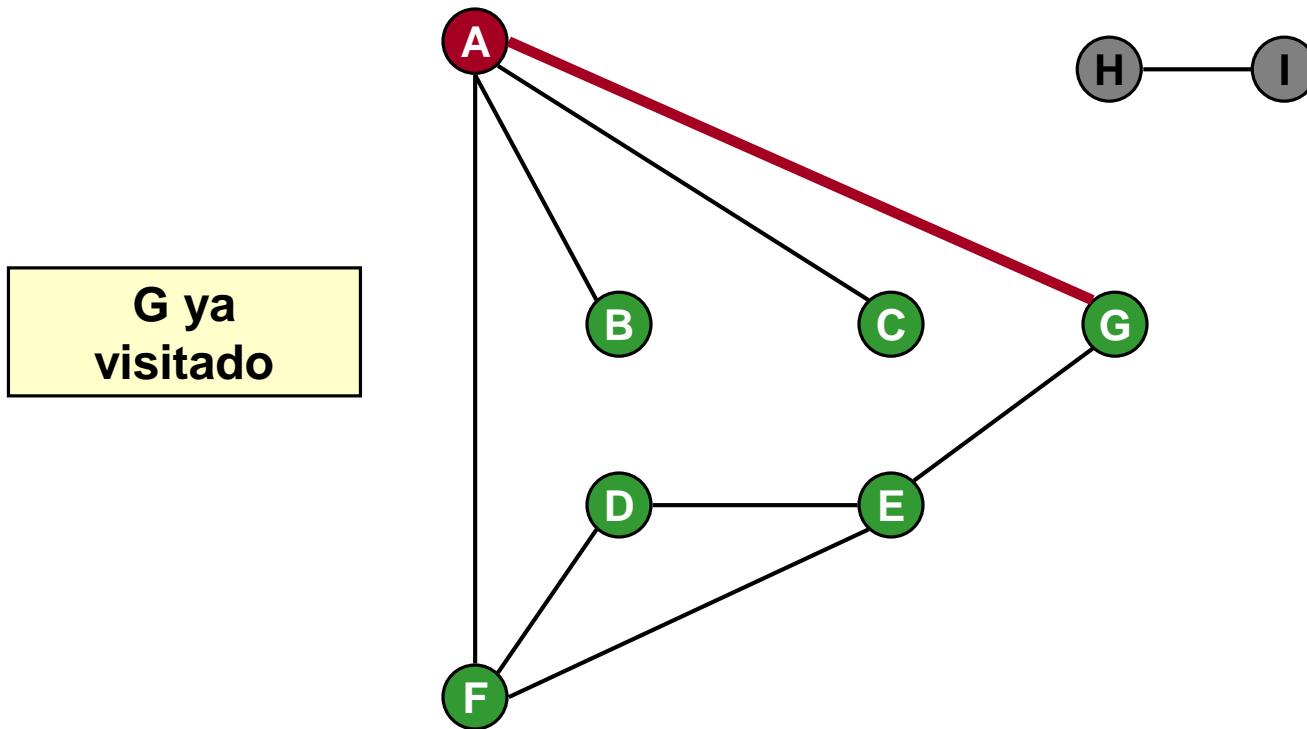
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \rangle$



Pila



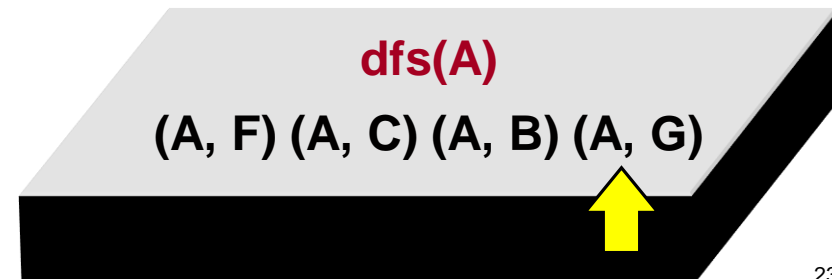
Recorrido en profundidad (dfs)



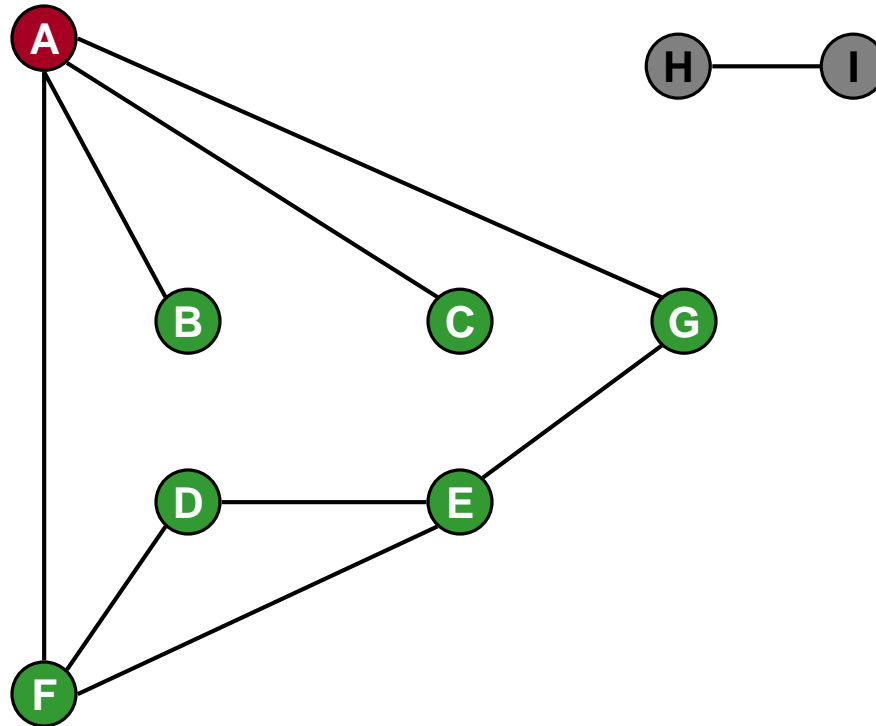
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \rangle$



Pila



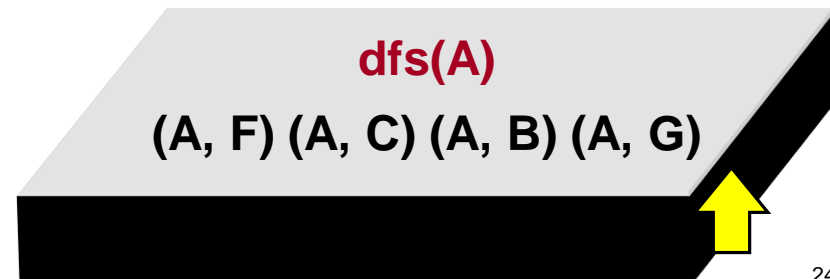
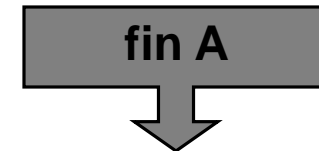
Recorrido en profundidad (dfs)



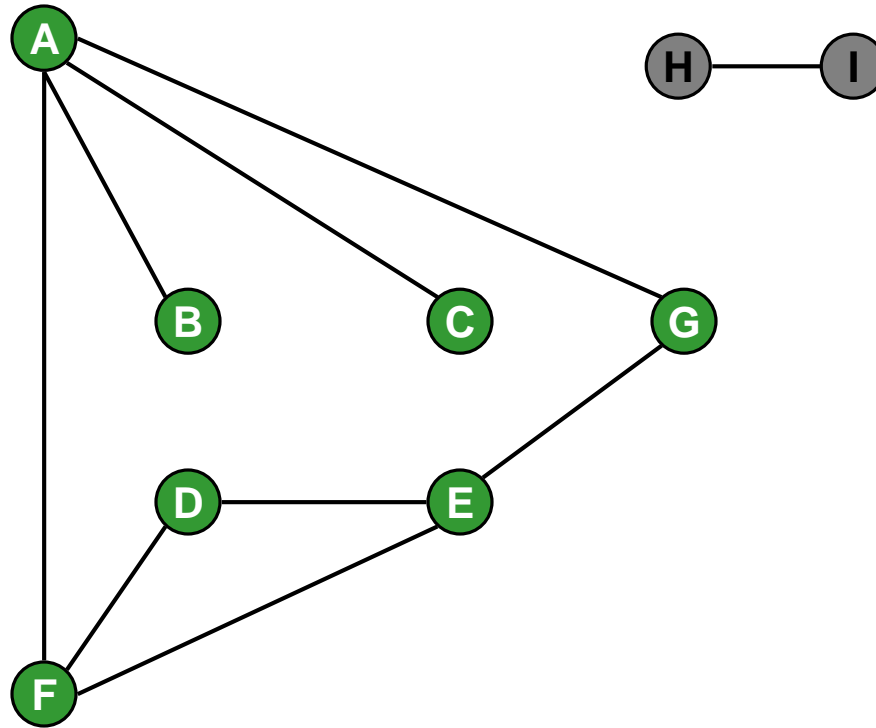
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \rangle$



Pila



Recorrido en profundidad (dfs)

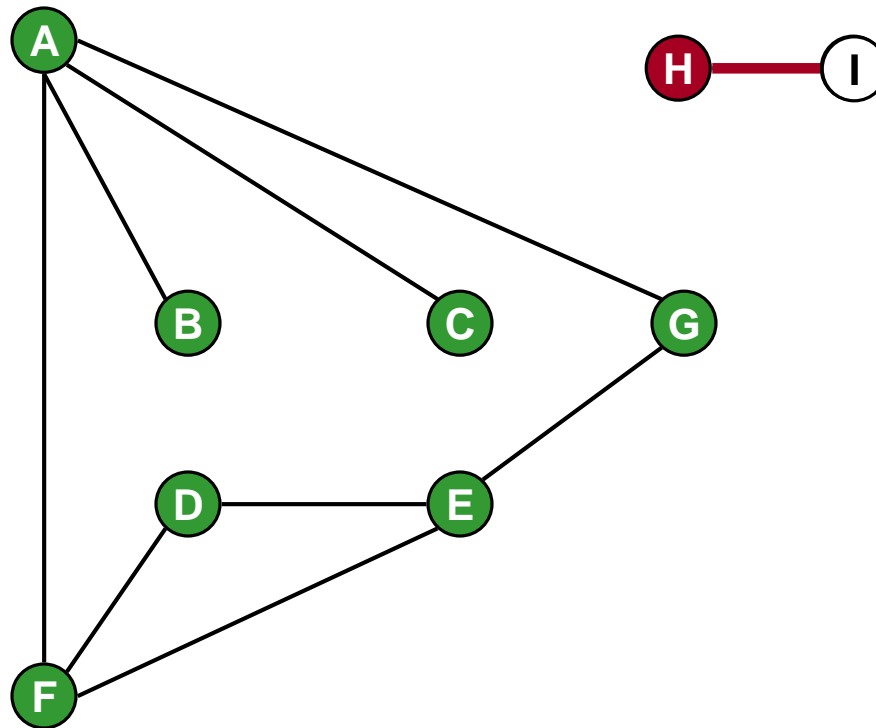


$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \rangle$



Pila

Recorrido en profundidad (dfs)

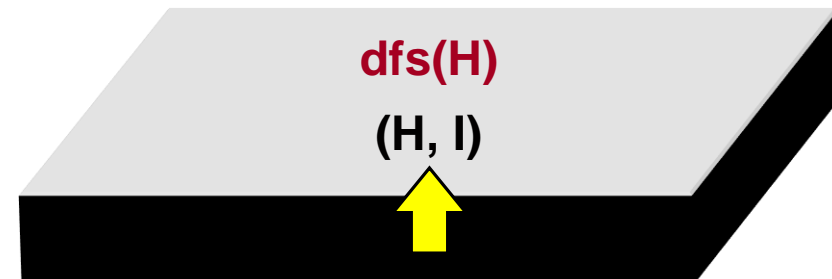


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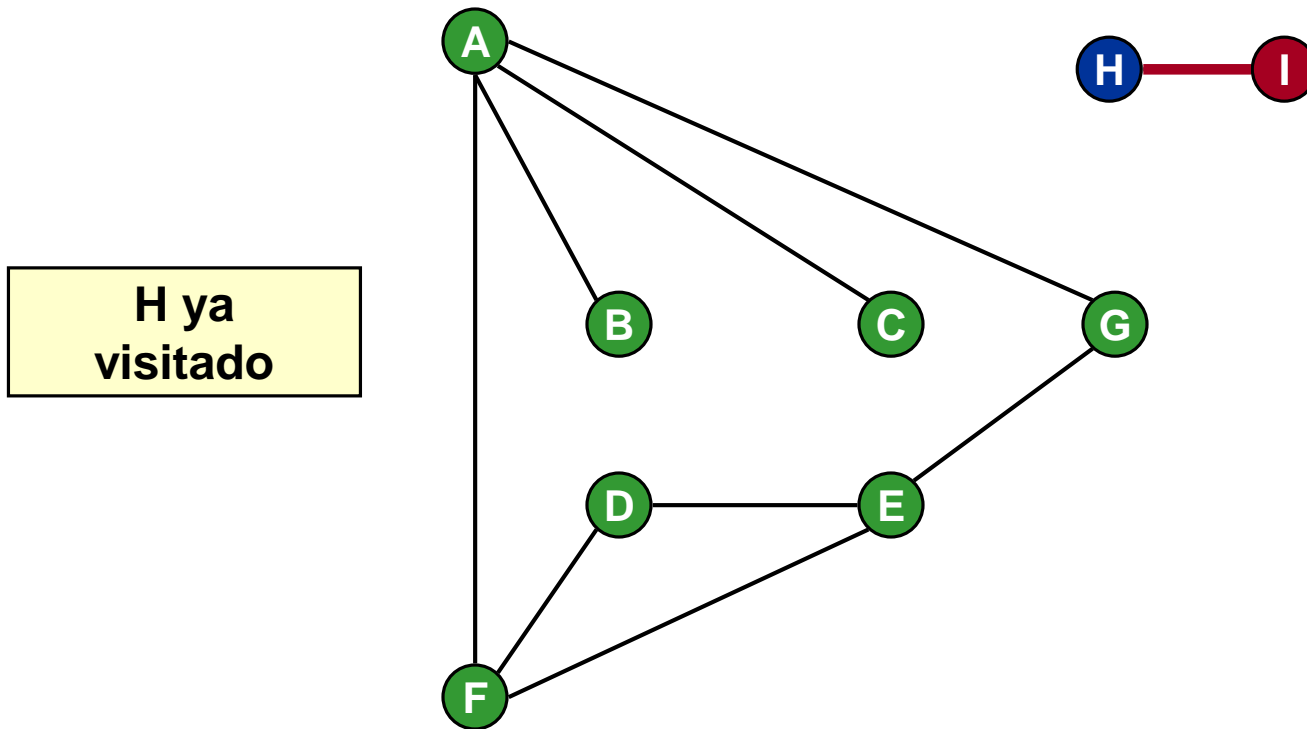
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \ H \rangle$



Pila



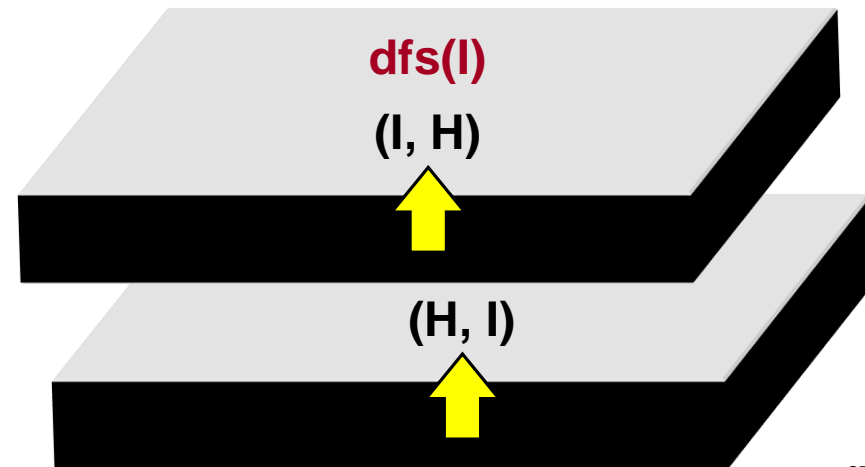
Recorrido en profundidad (dfs)



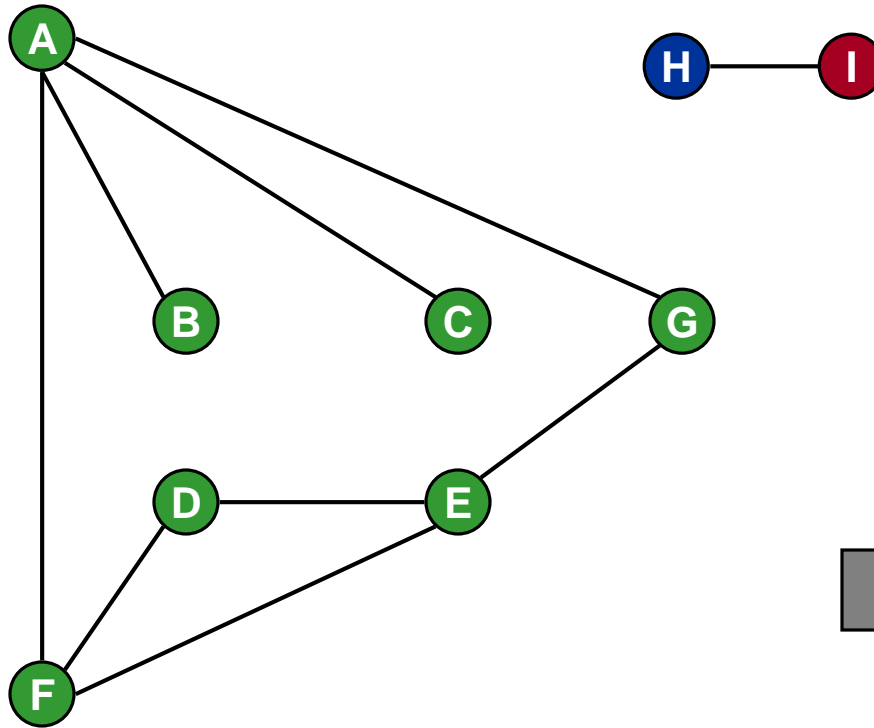
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \ H \ I \rangle$



Pila



Recorrido en profundidad (dfs)

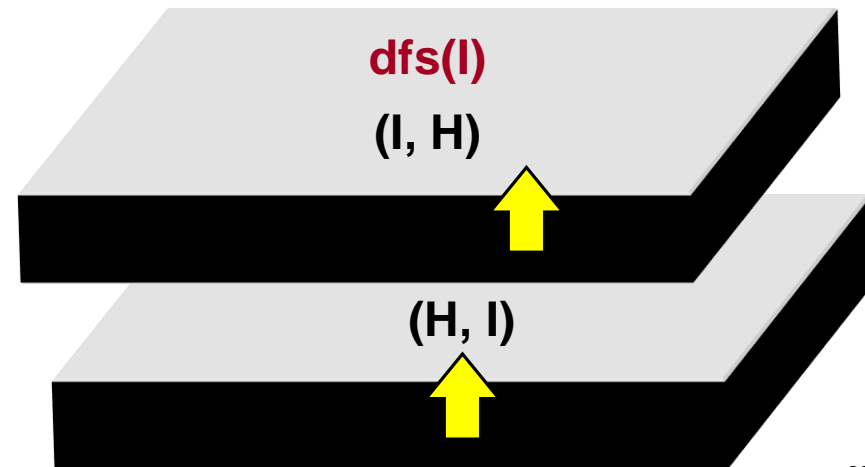


$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \ H \ I \rangle$

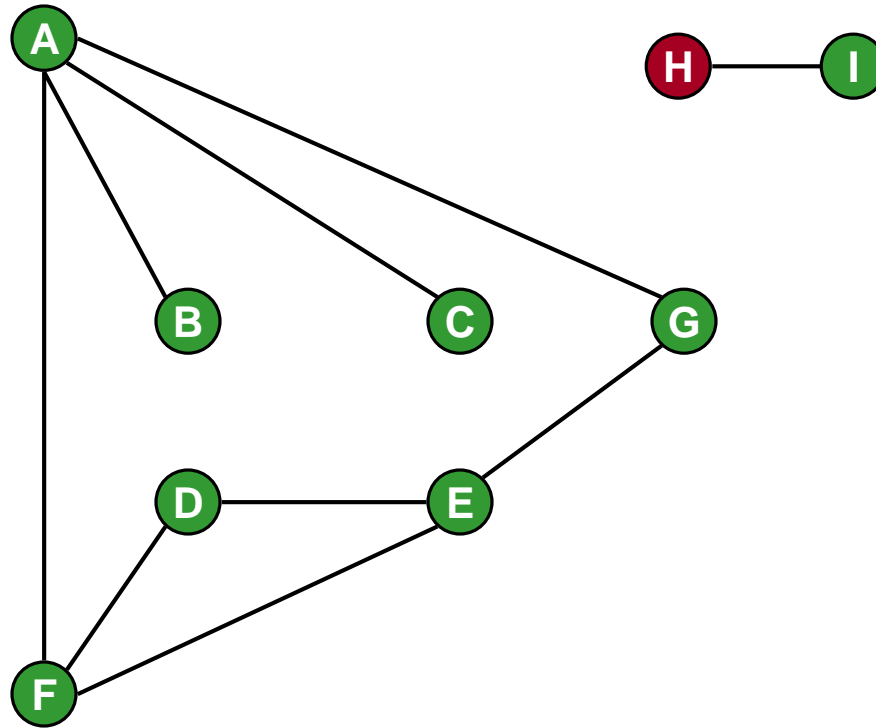


Pila

fin I



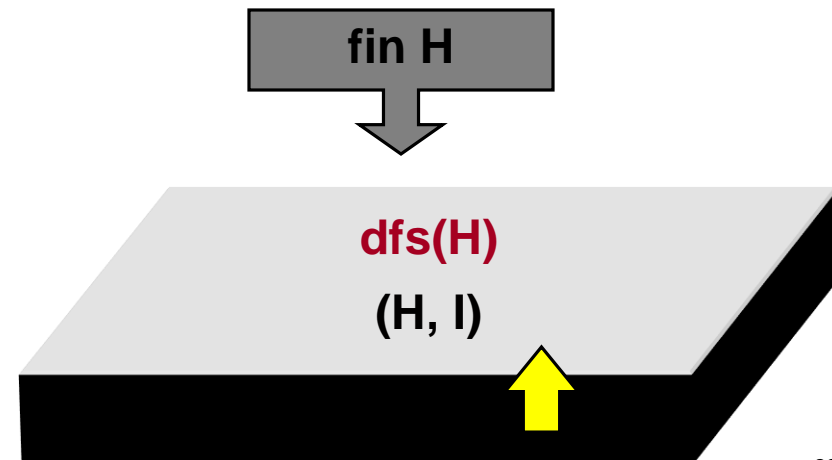
Recorrido en profundidad (dfs)



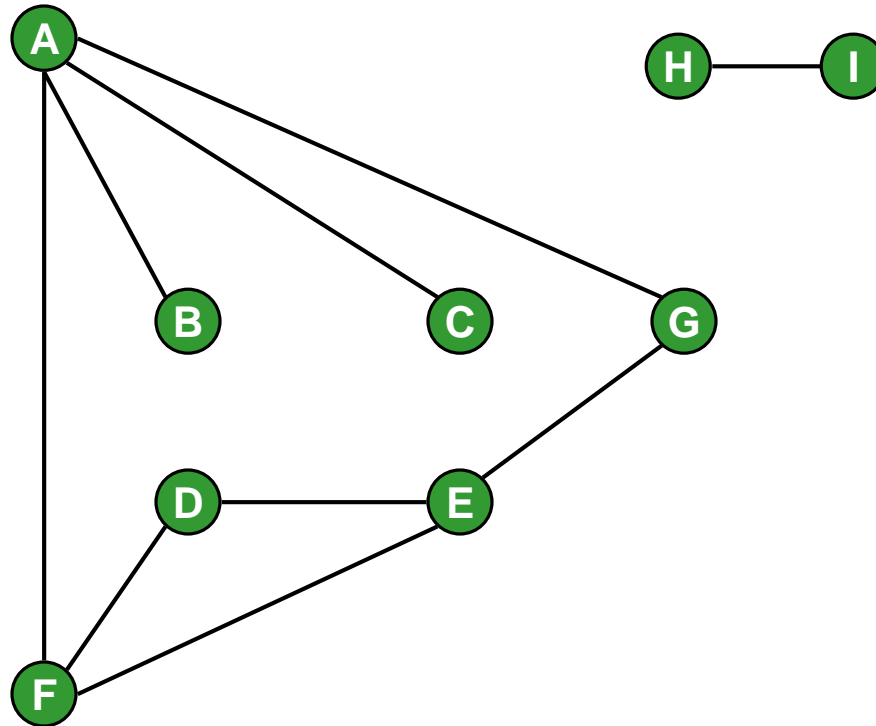
$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \ H \ I \rangle$



Pila



Recorrido en profundidad (dfs)



$\text{dfs}(\text{Grafo}) = \langle A \ F \ E \ G \ D \ C \ B \ H \ I \rangle$



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