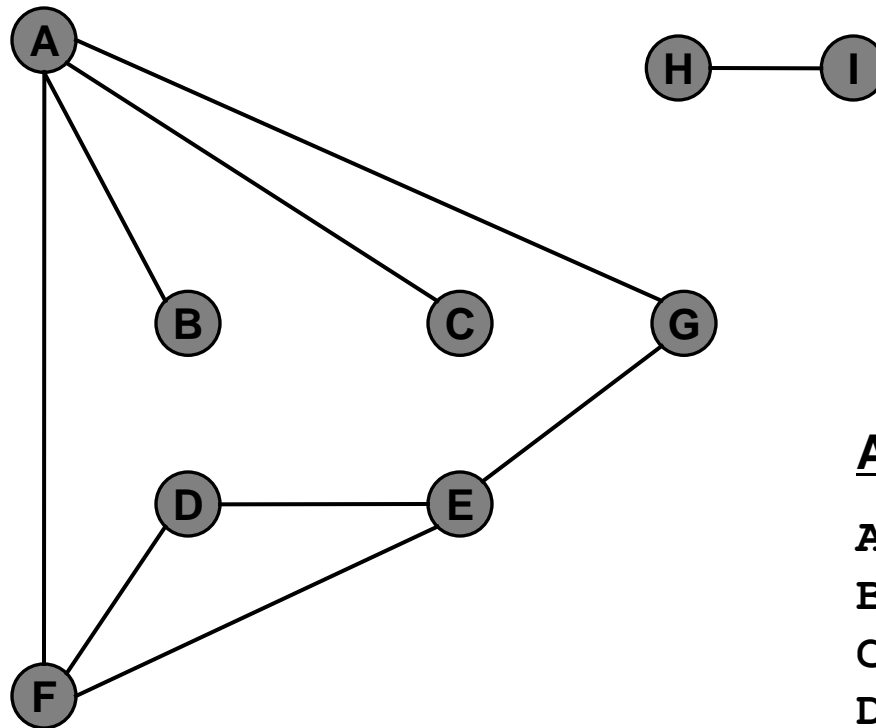


Undirected Depth First Search



Adjacency Lists

A: F C B G

B: A

C: A

D: F E

E: G F D

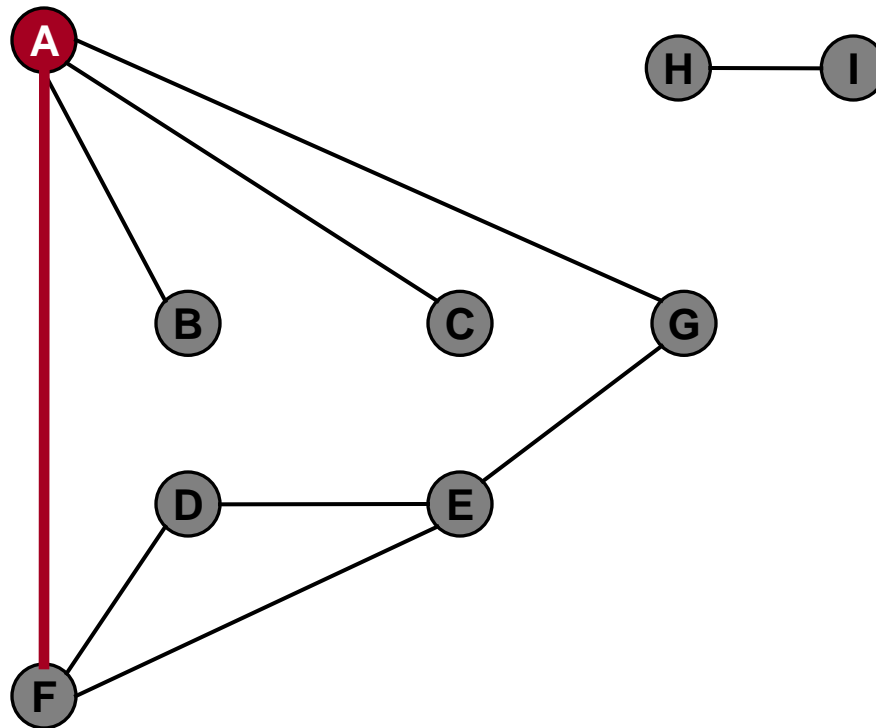
F: A E D

G: E A

H: I

I: H

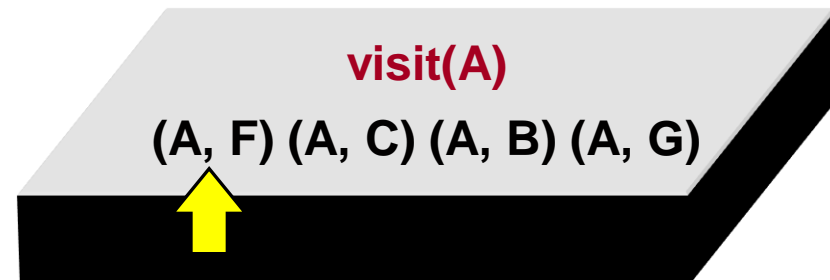
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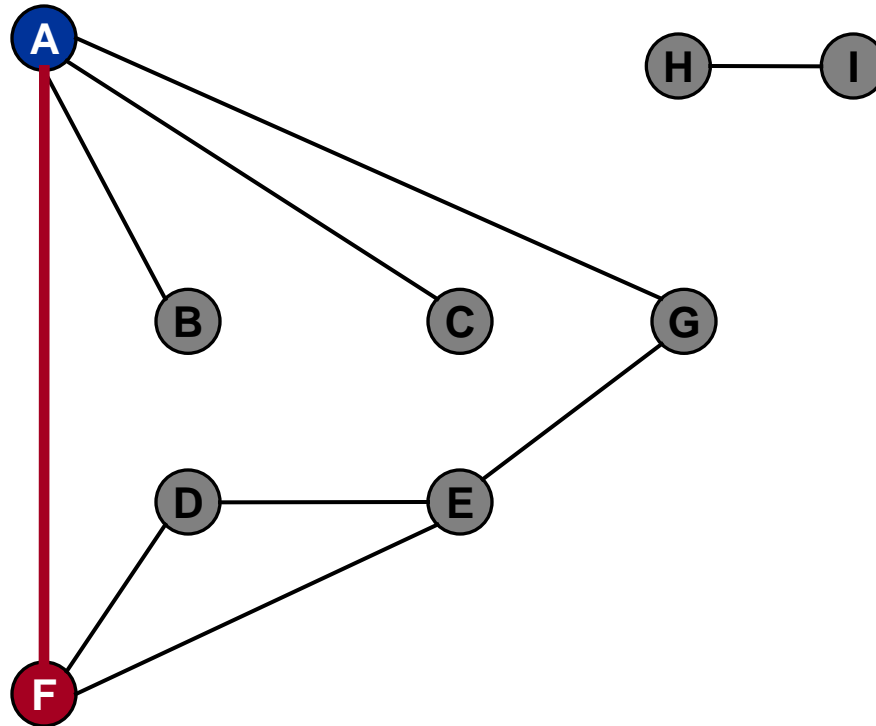
F newly
discovered



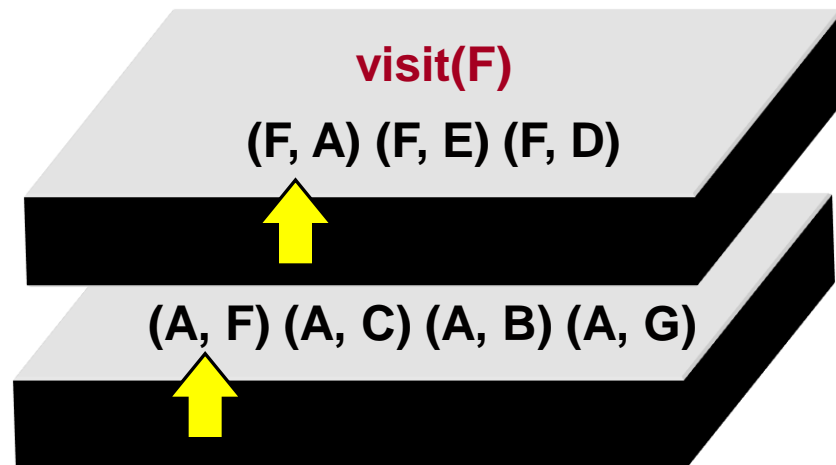
Stack



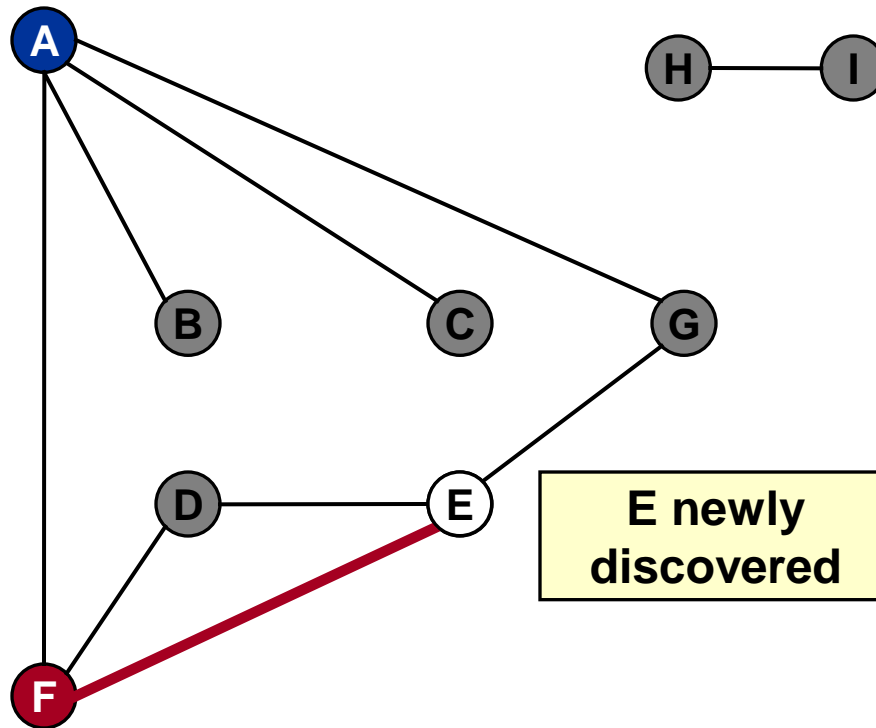
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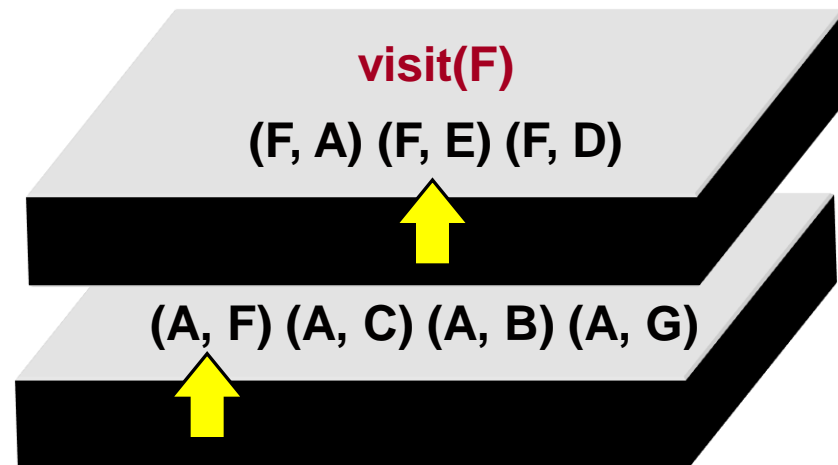
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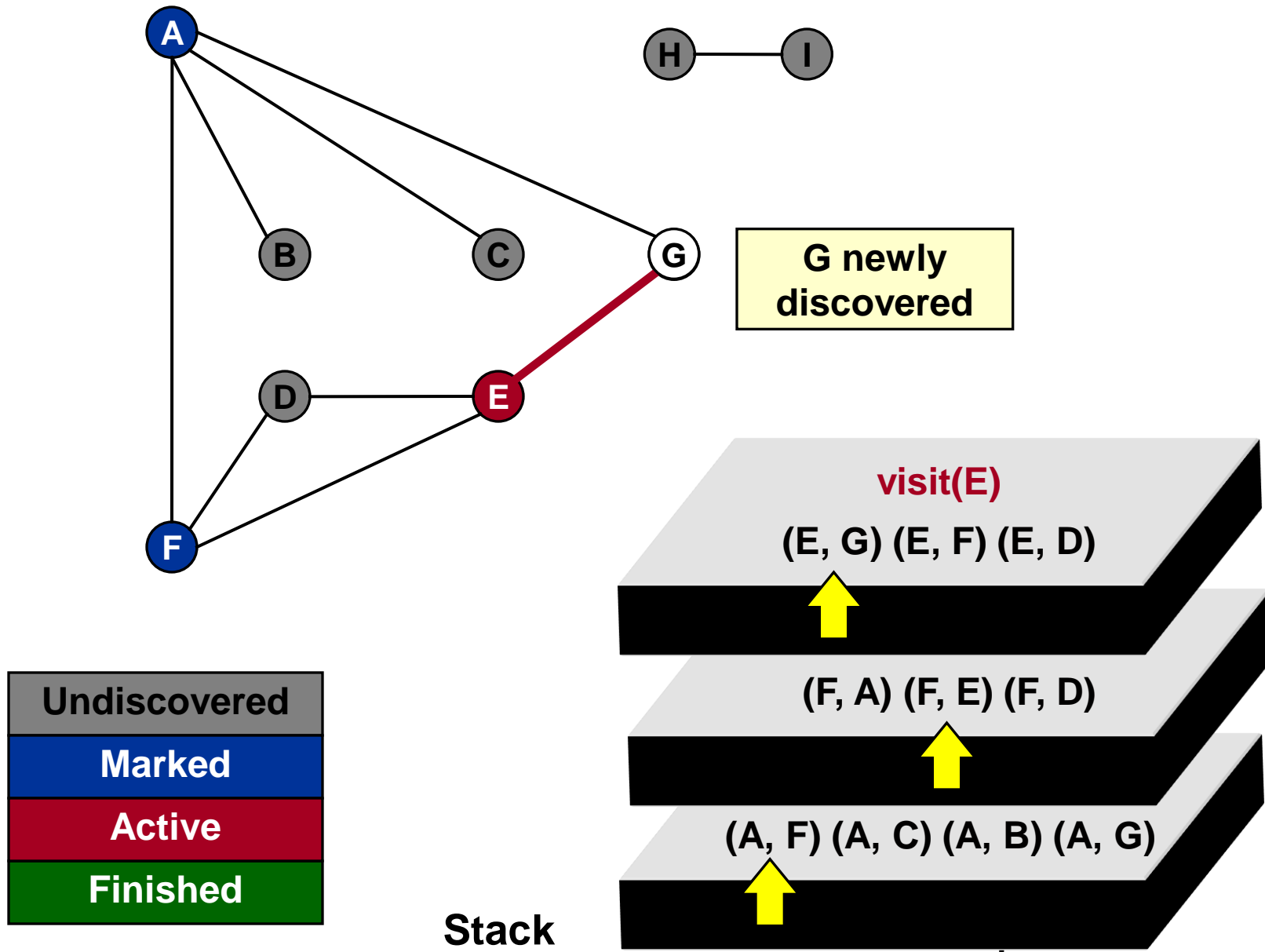
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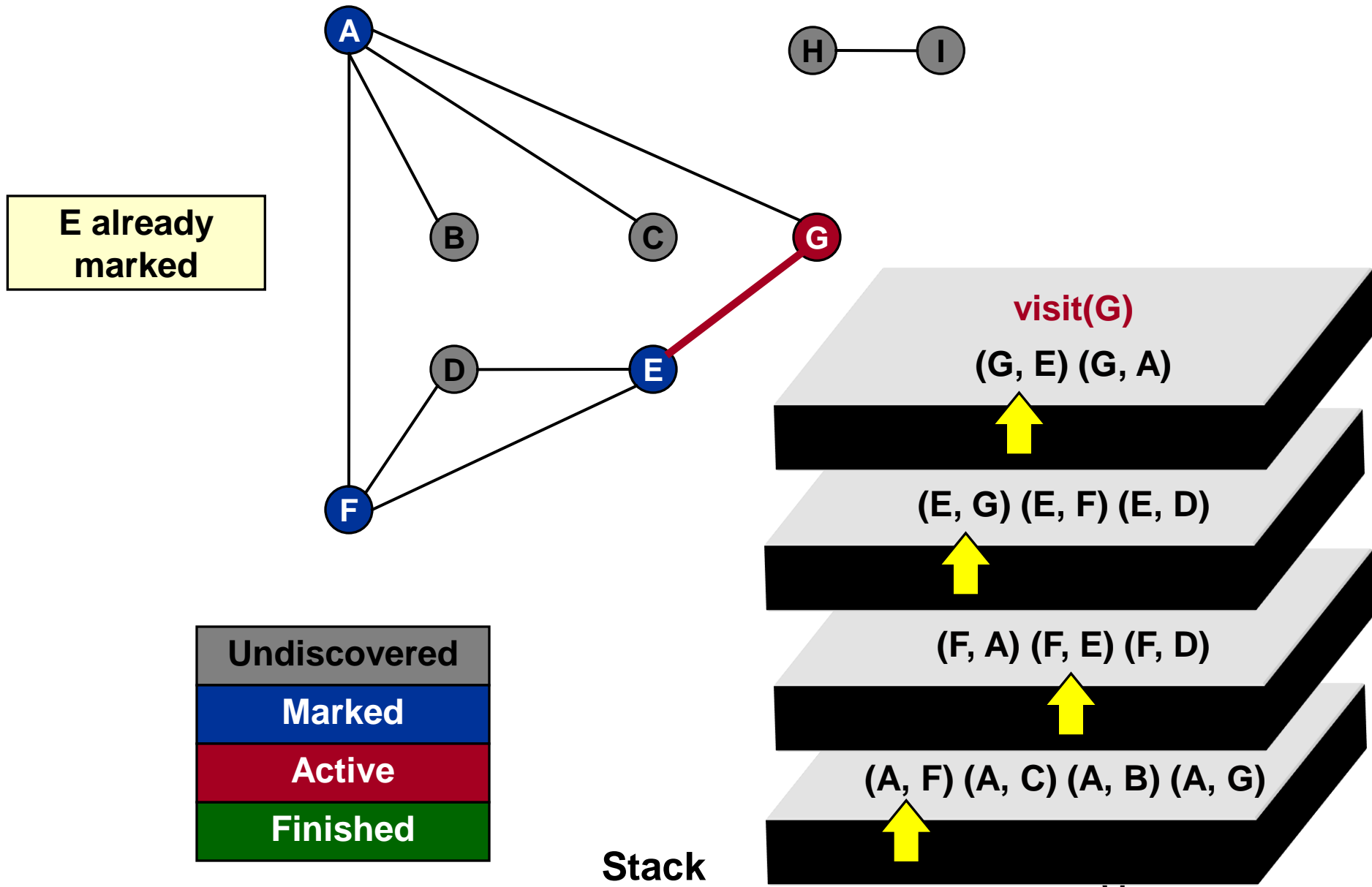
Stack



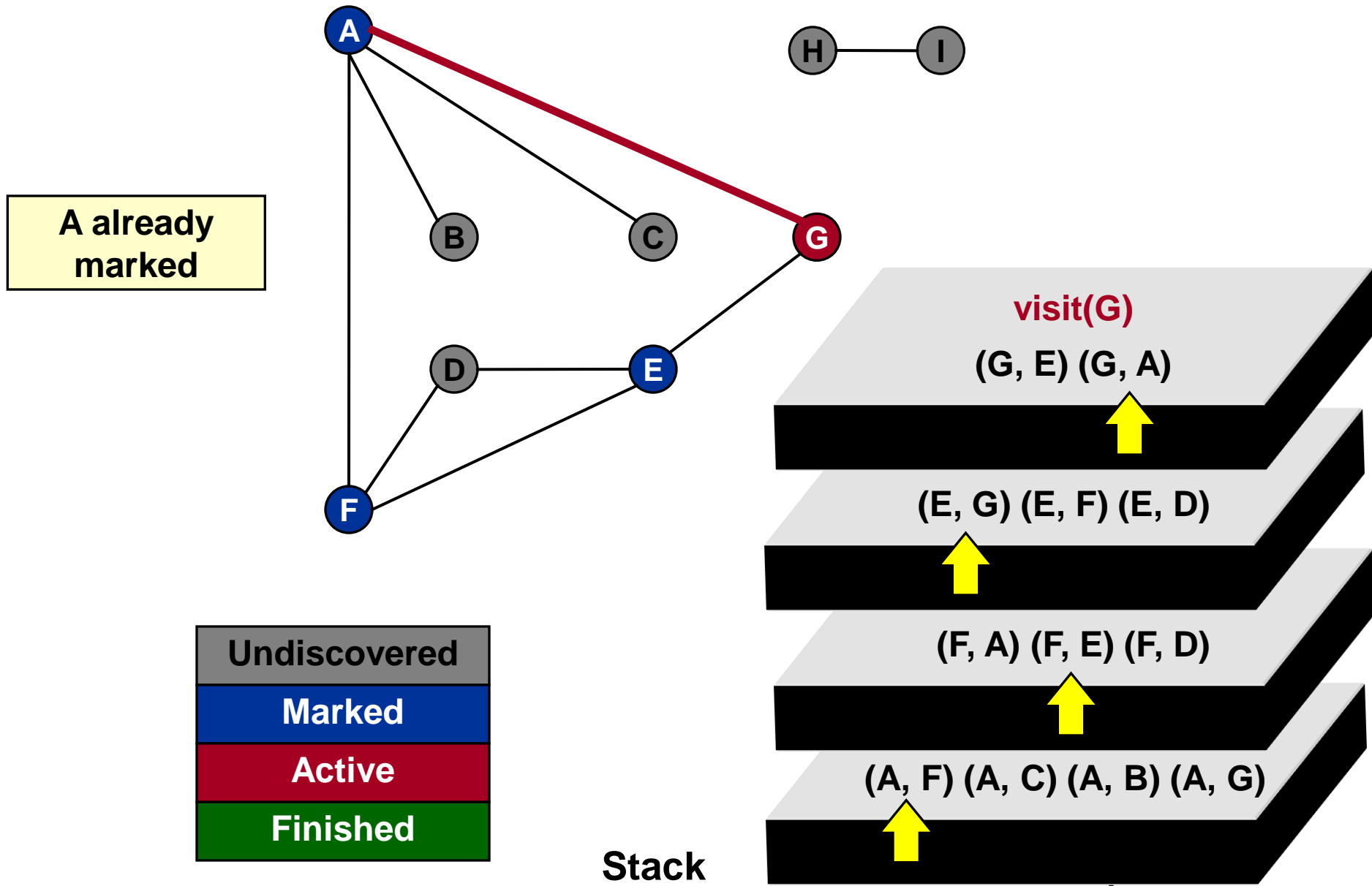
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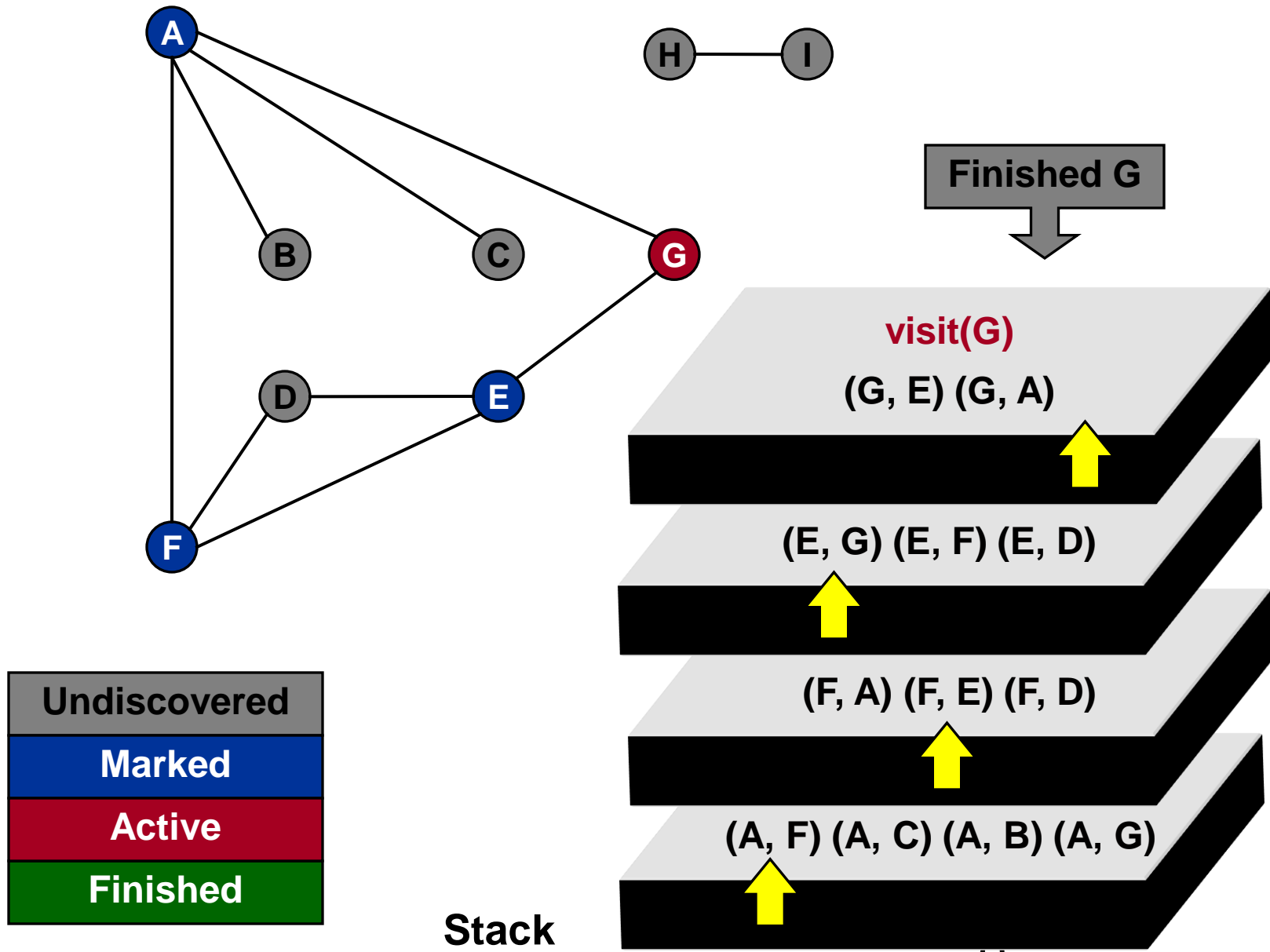
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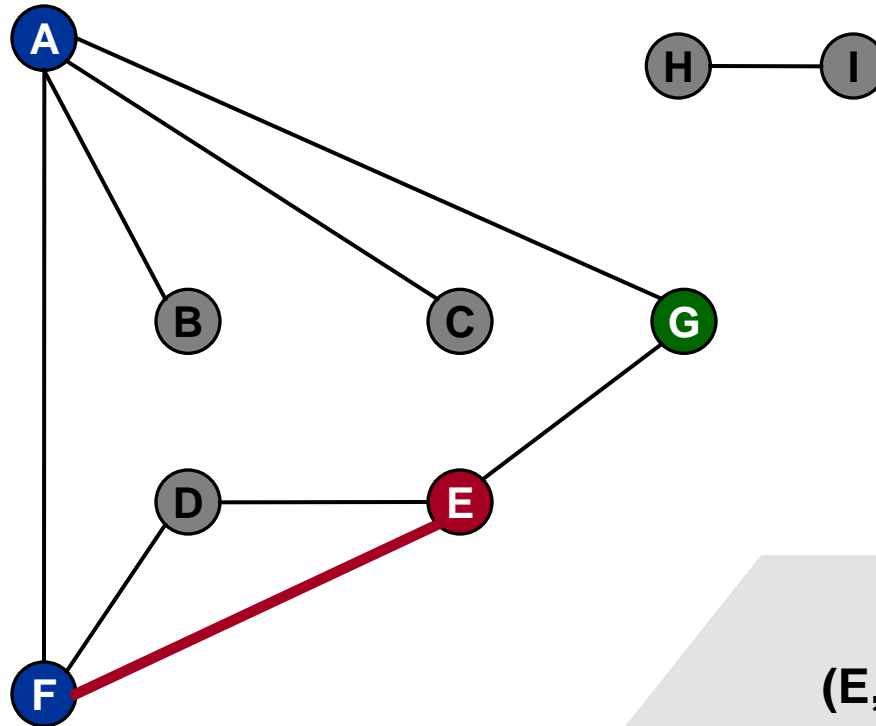
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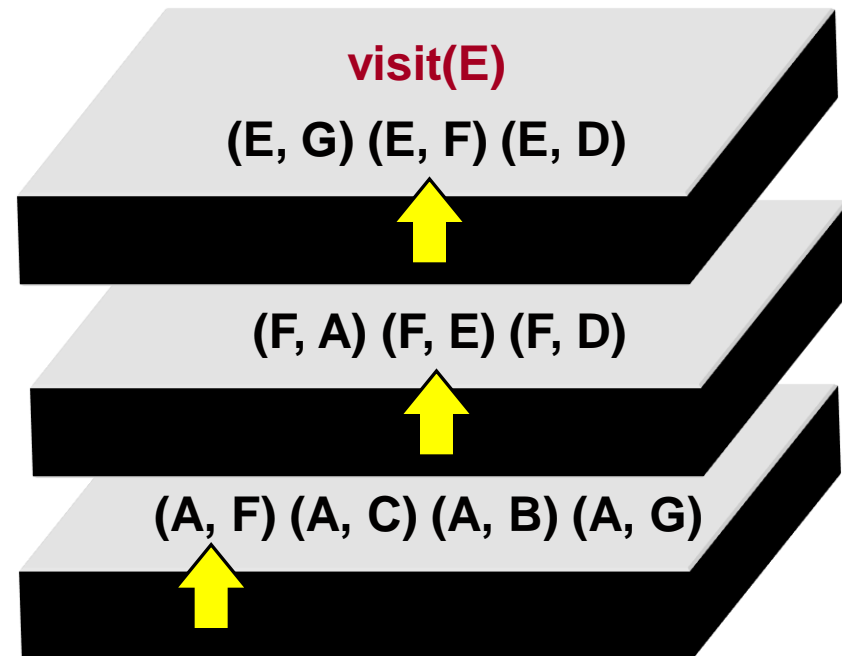
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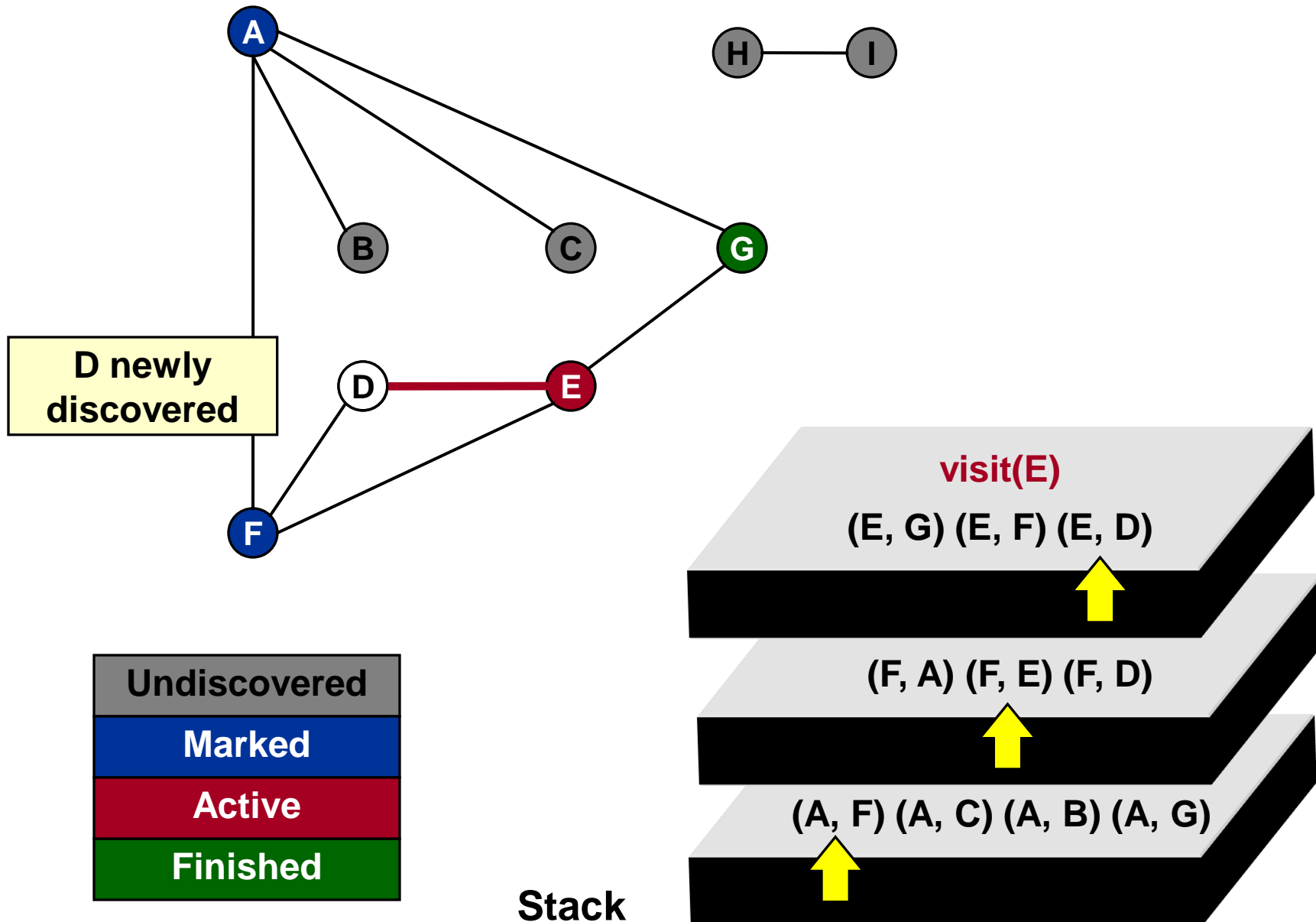
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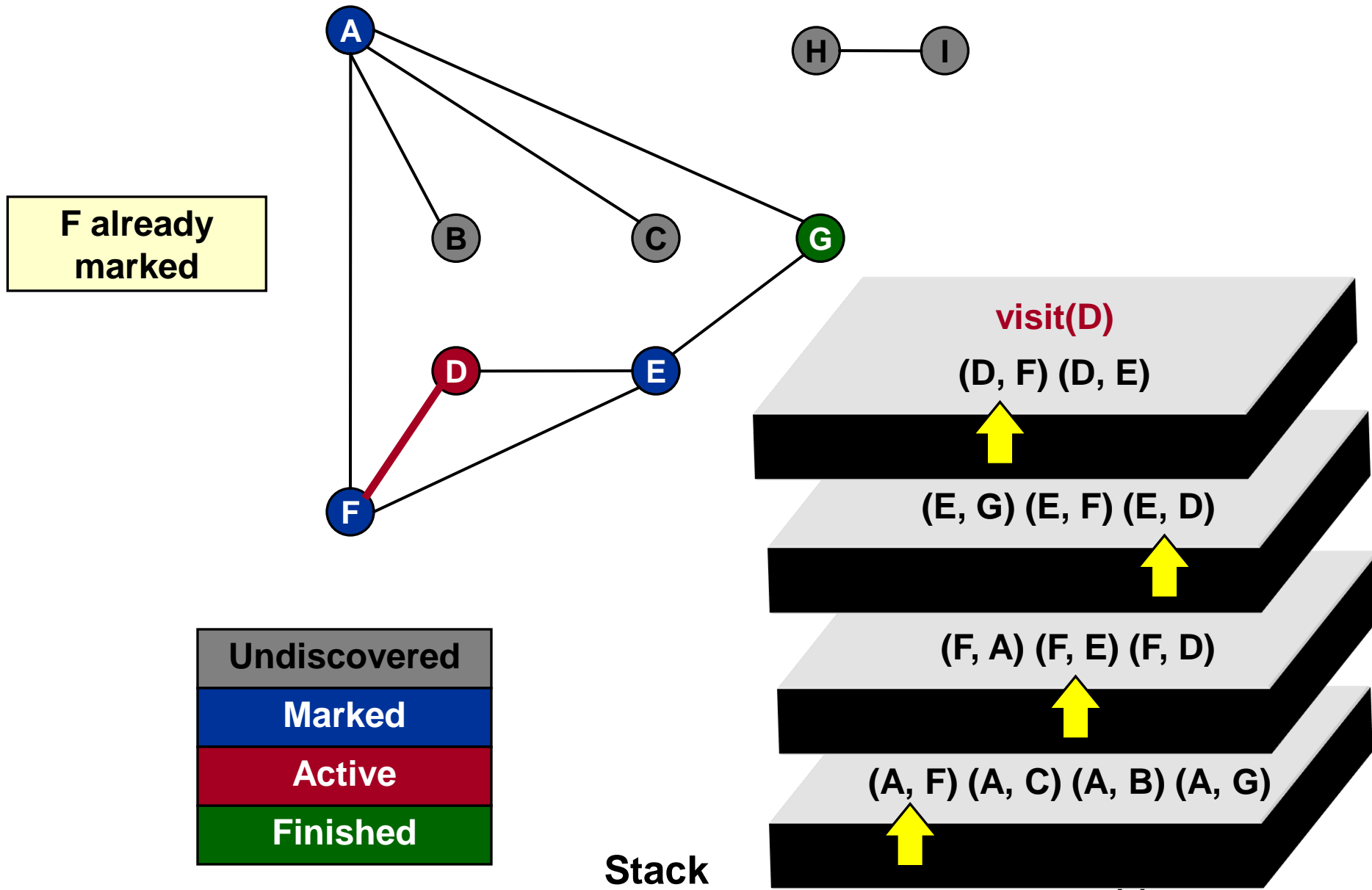
Stack



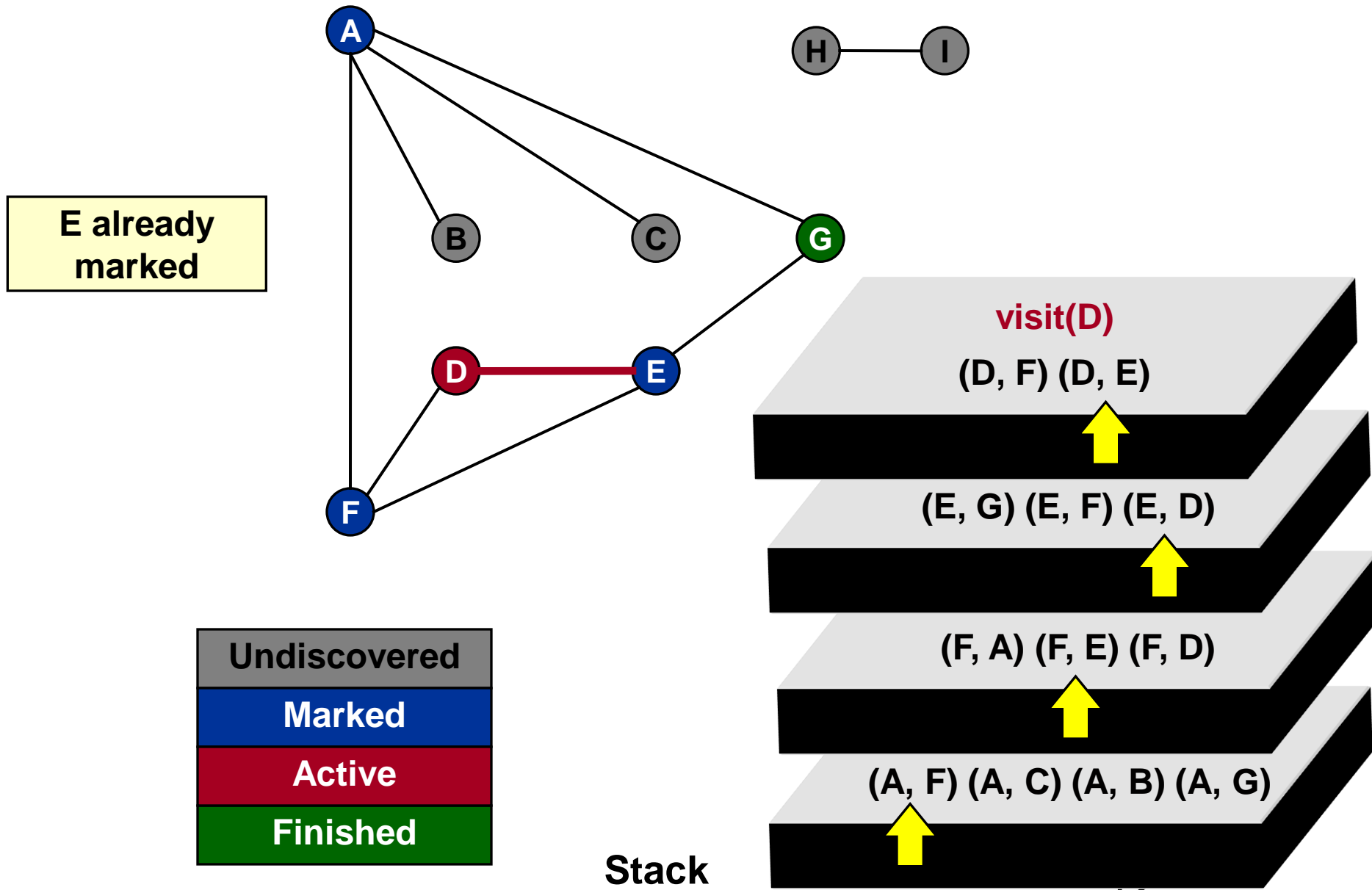
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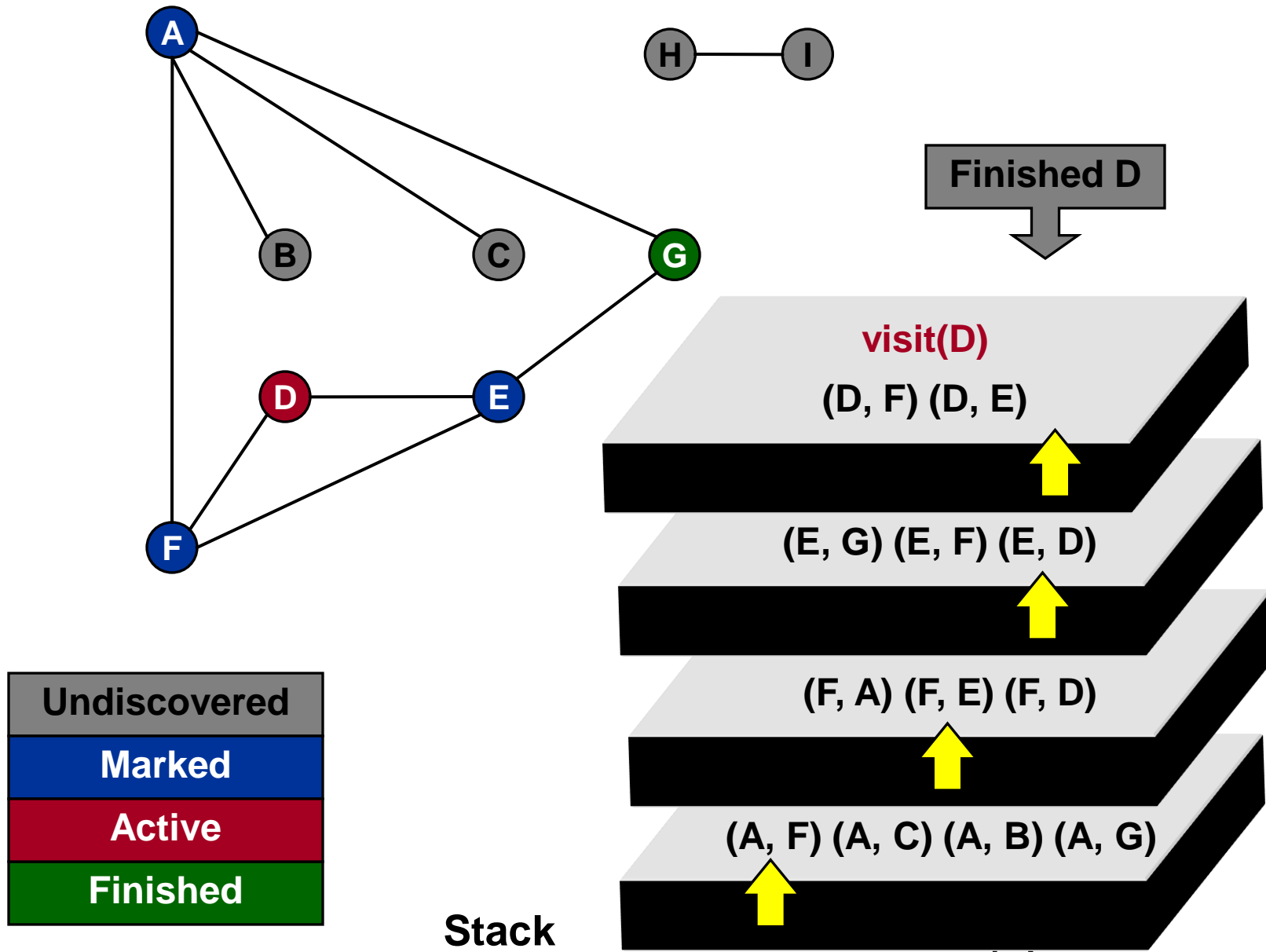
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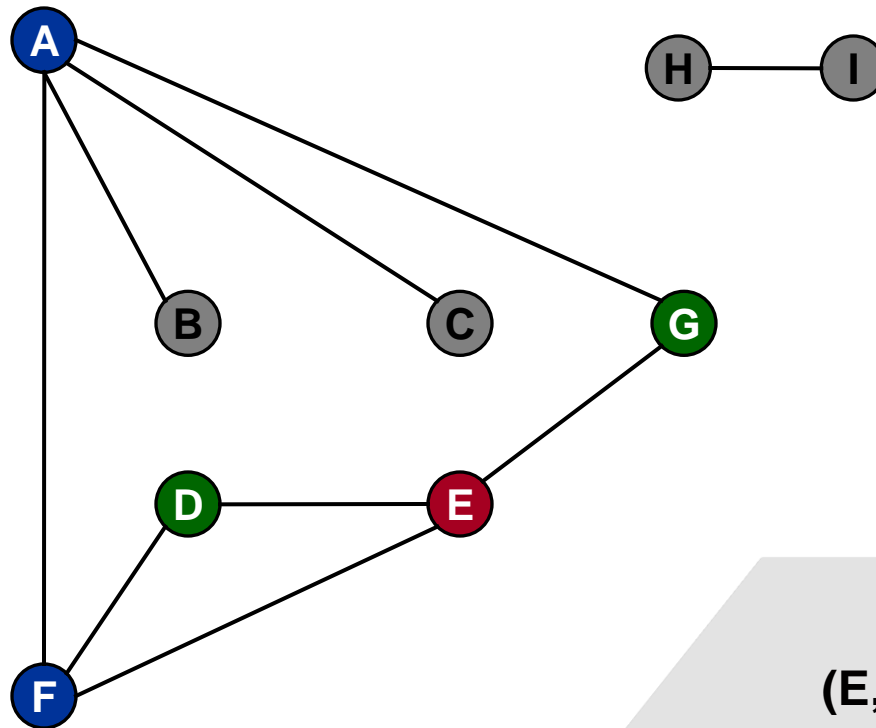
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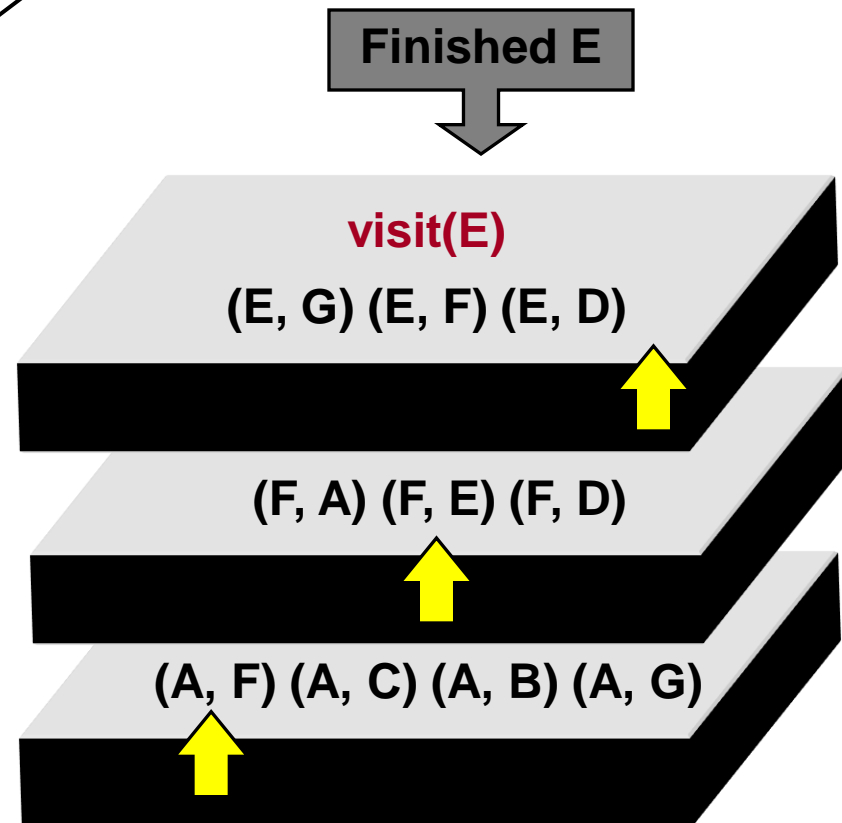
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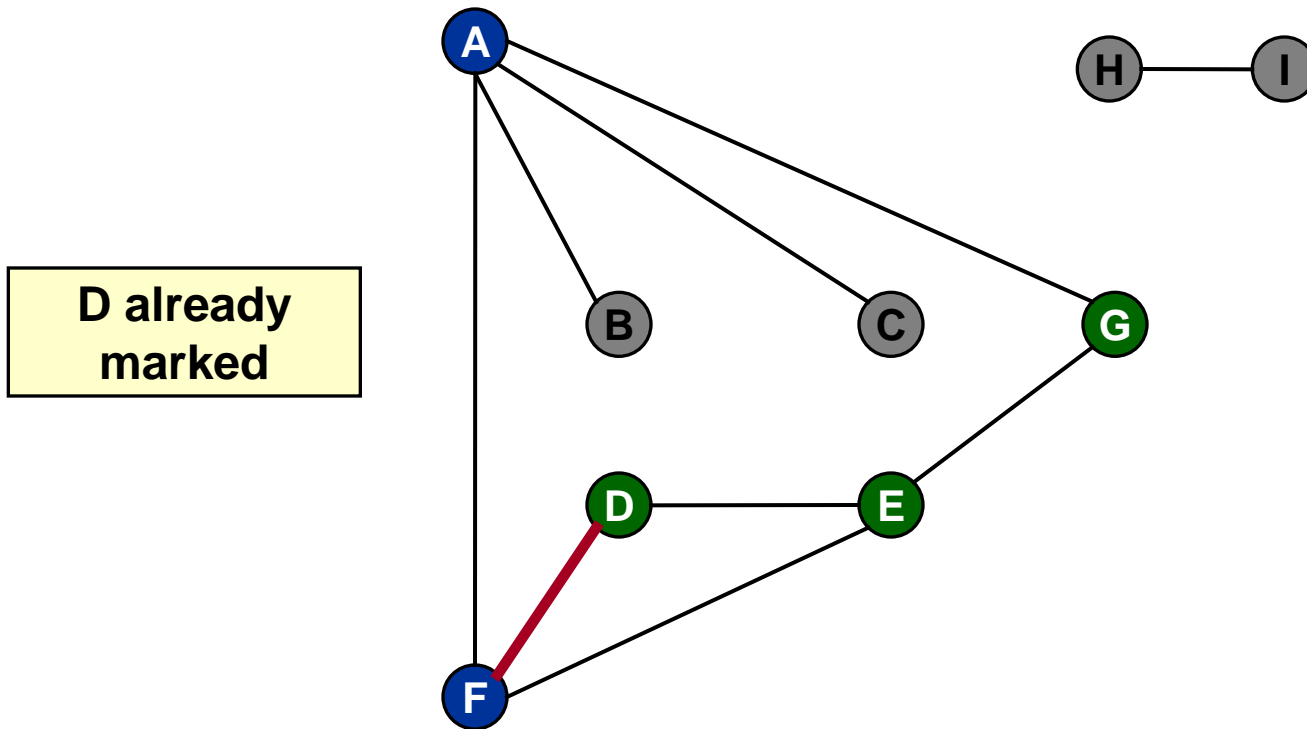
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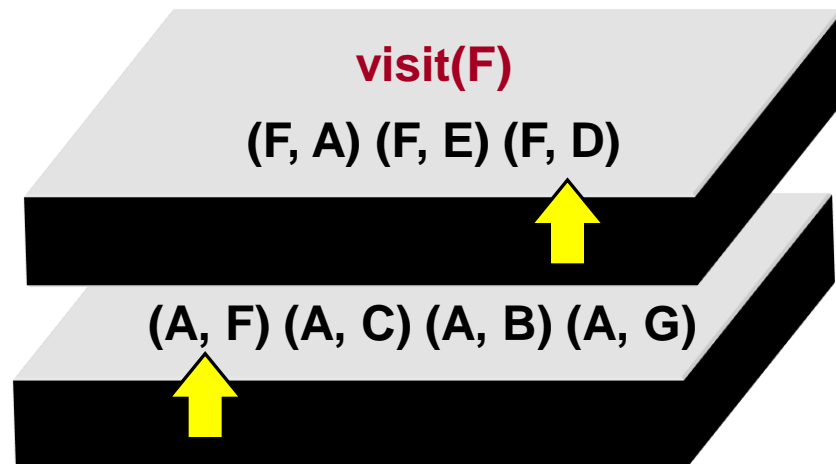
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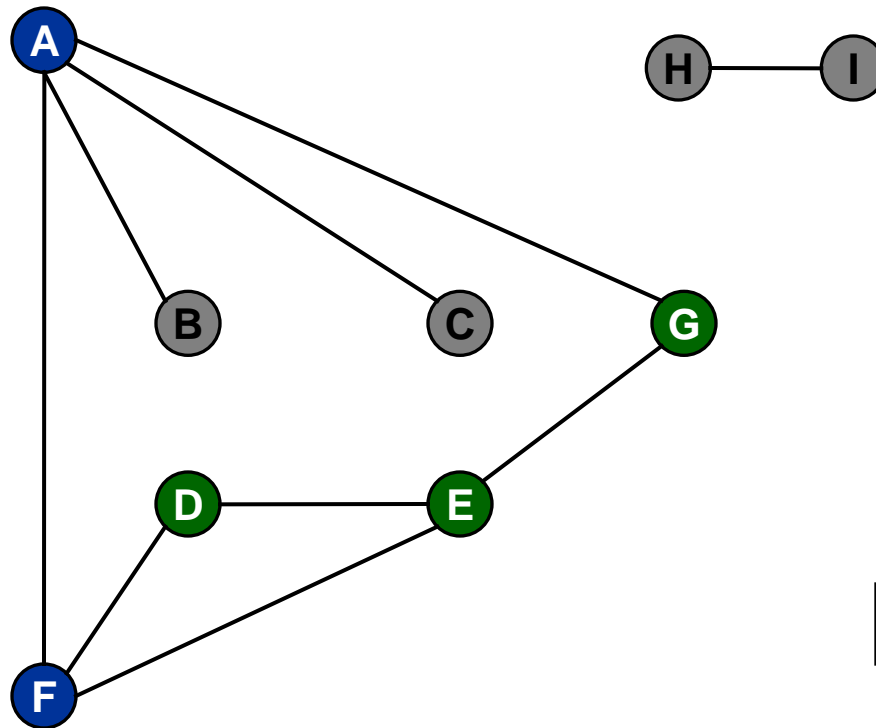
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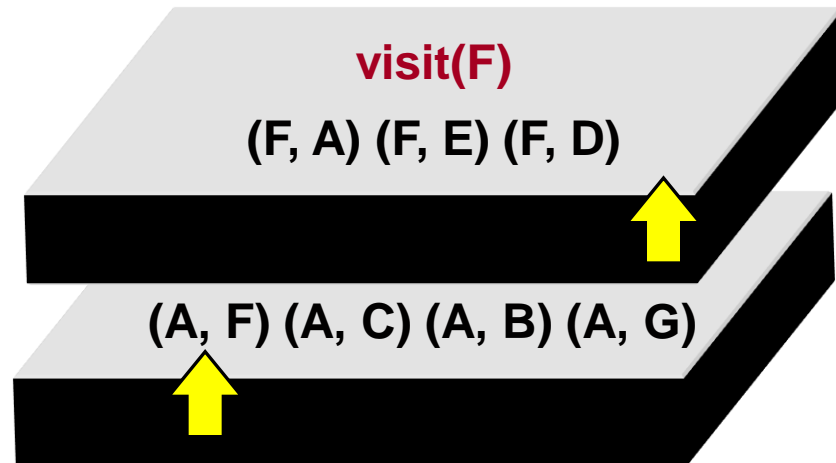


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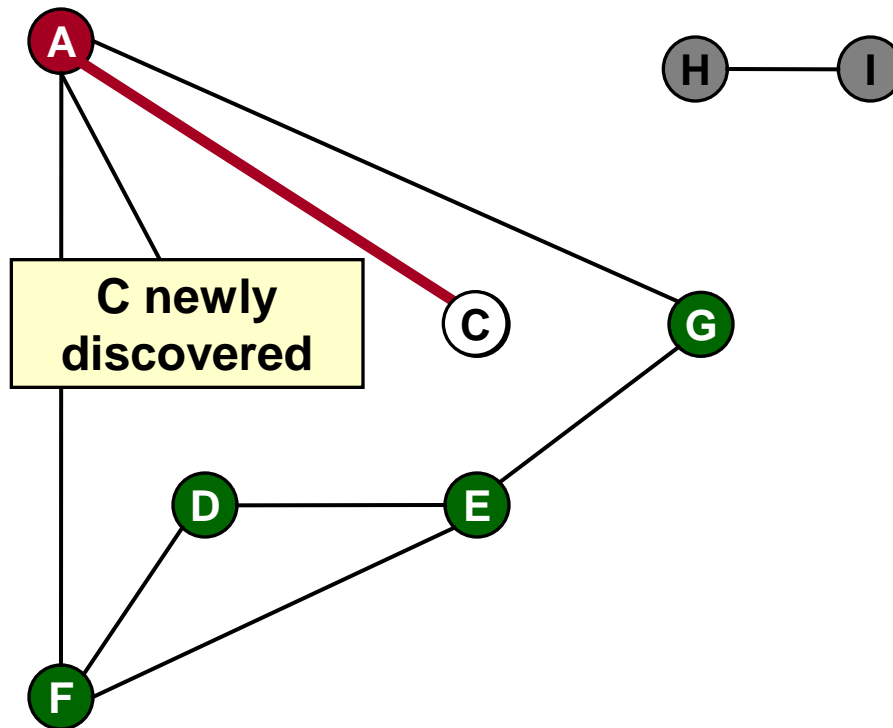


Finished F

Stack

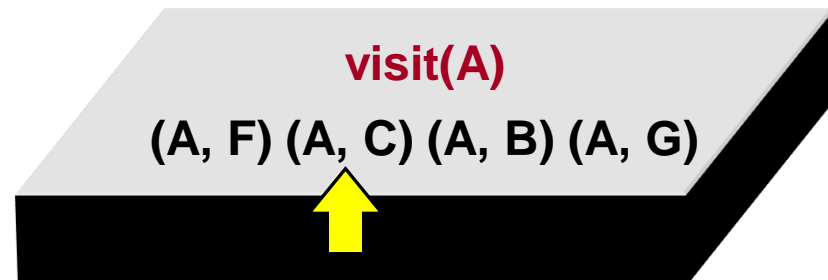


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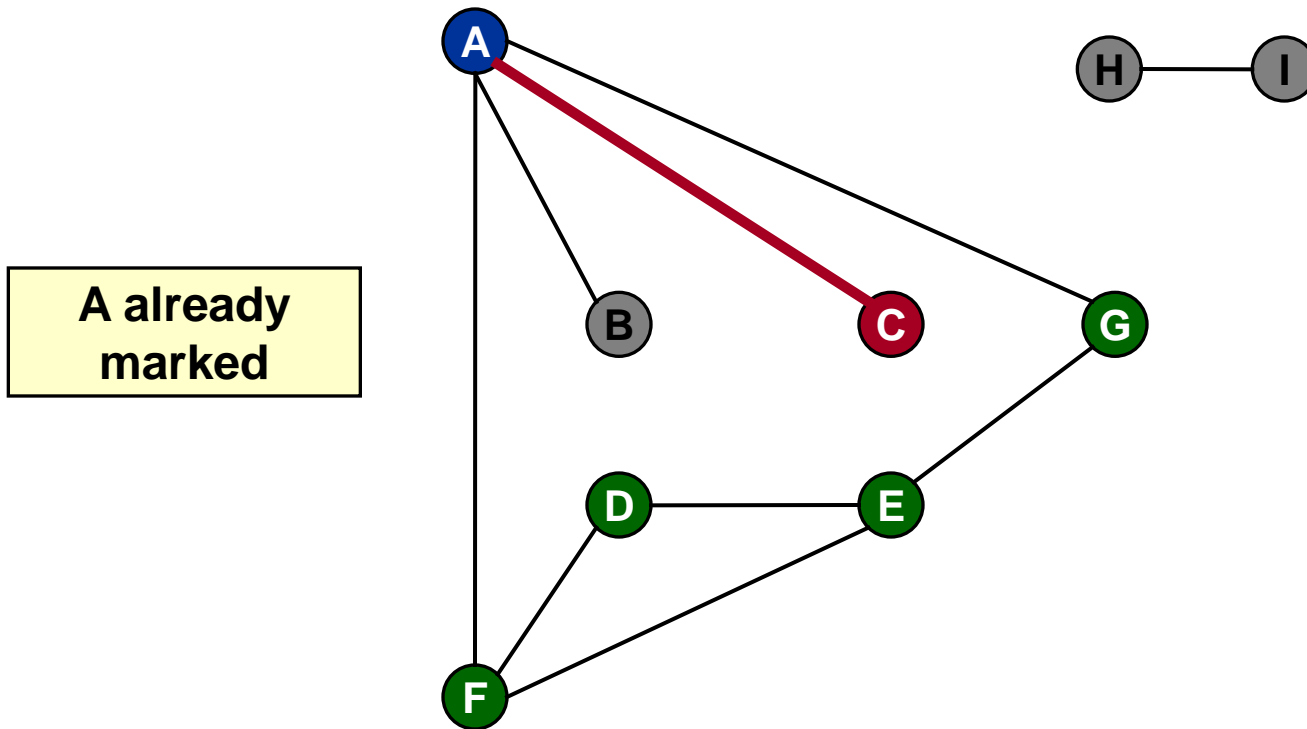


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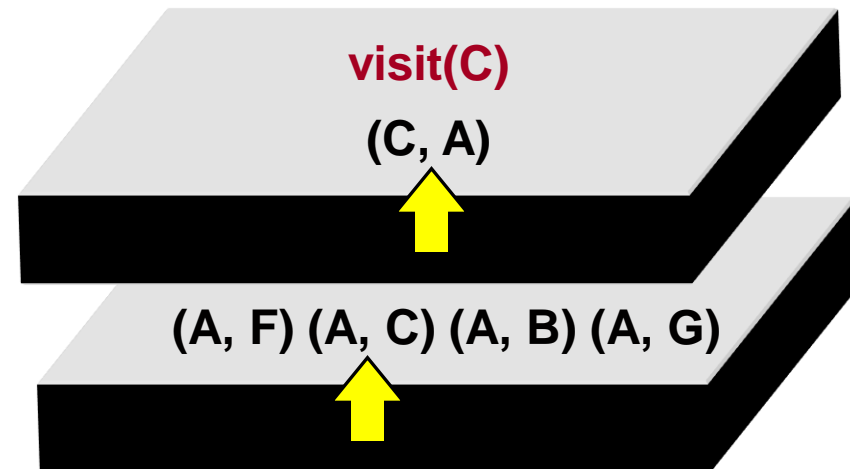
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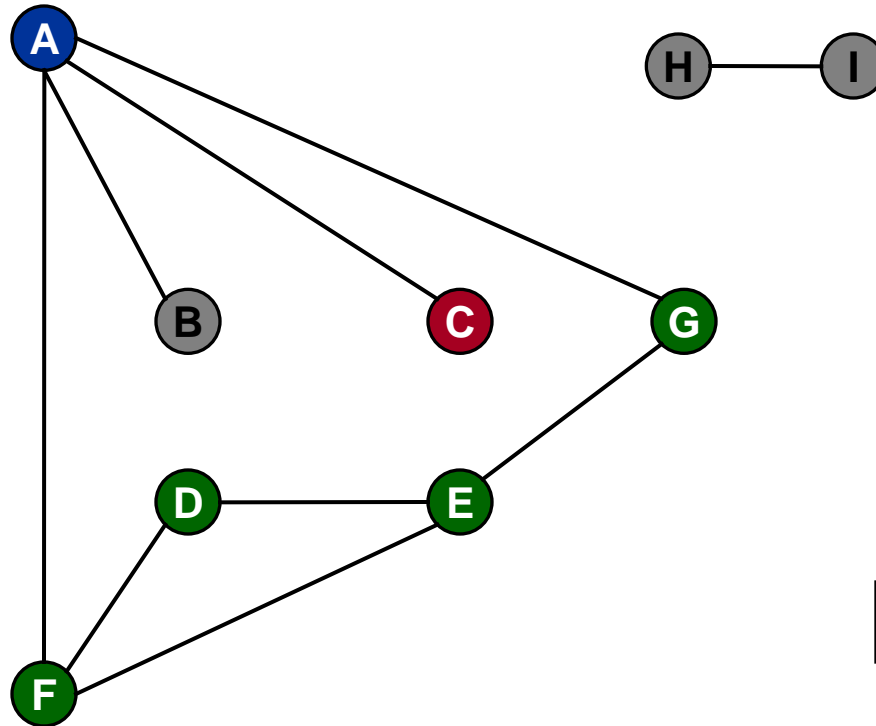
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Stack

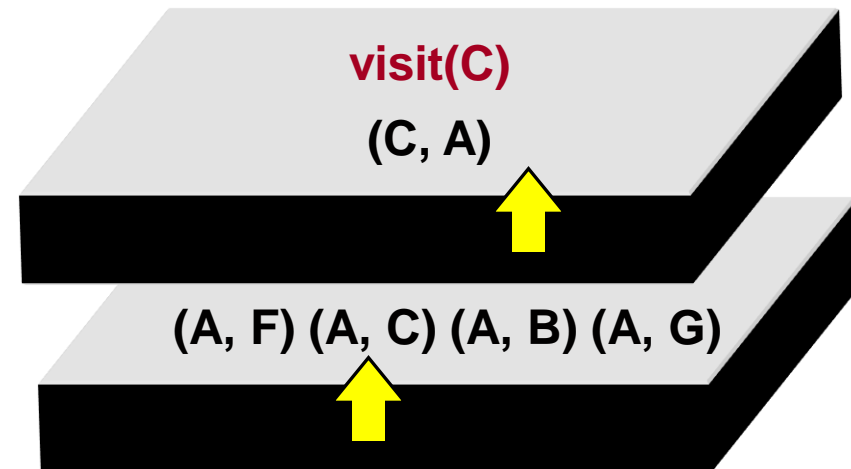


Undirected Depth First Search

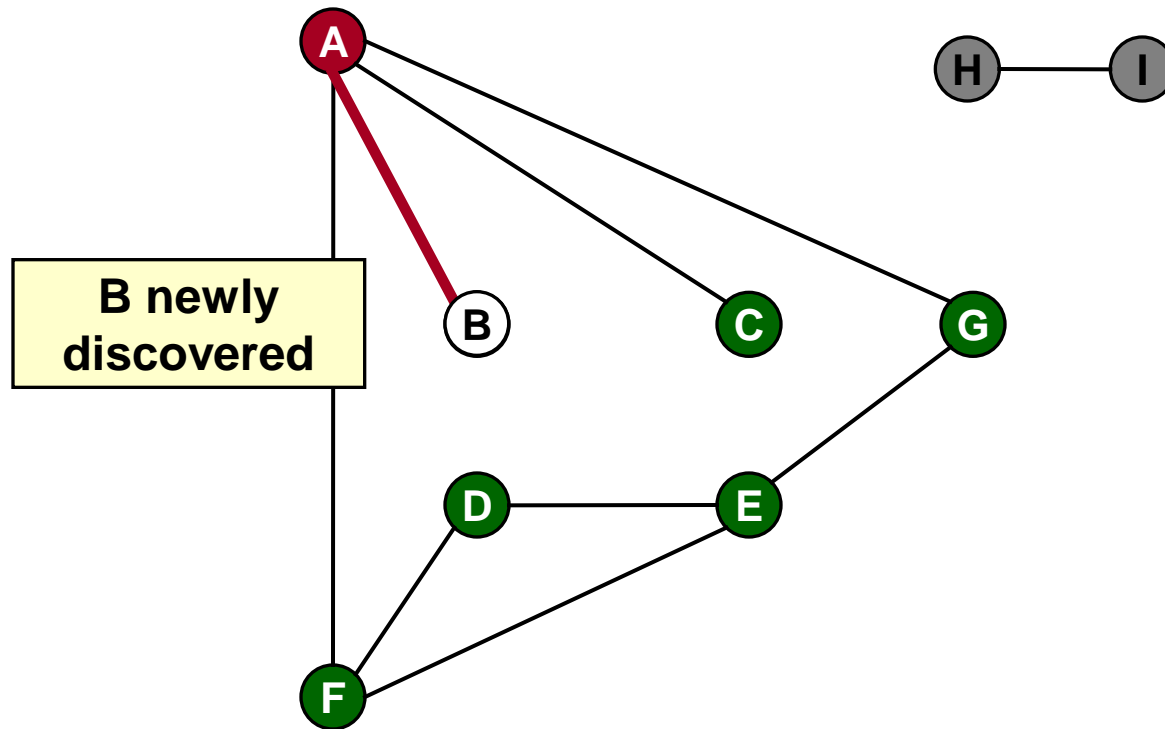


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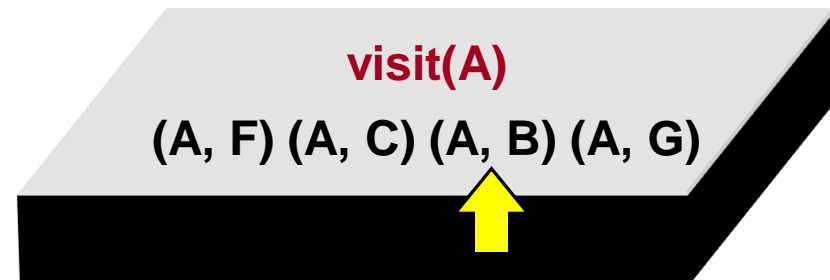
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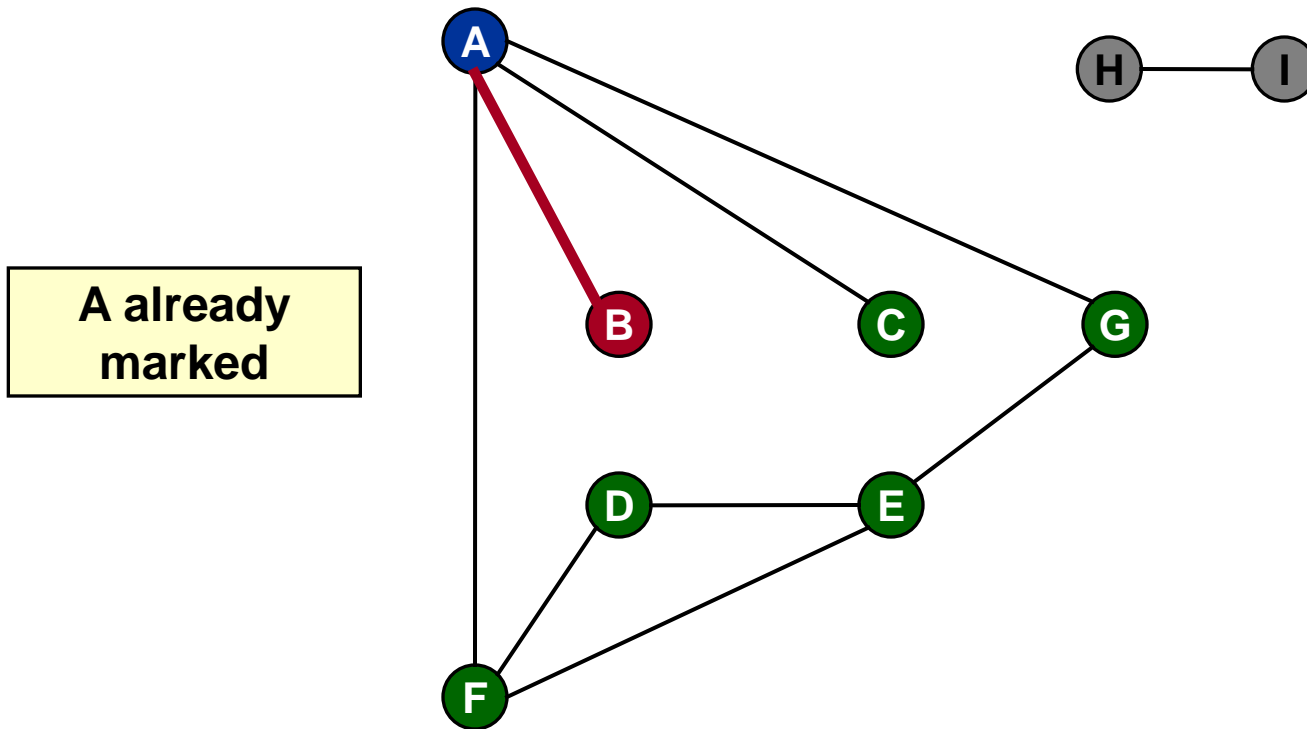
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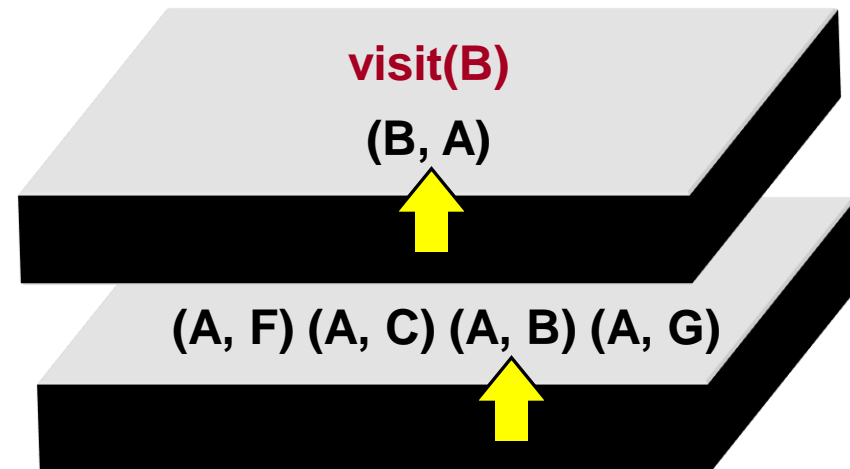
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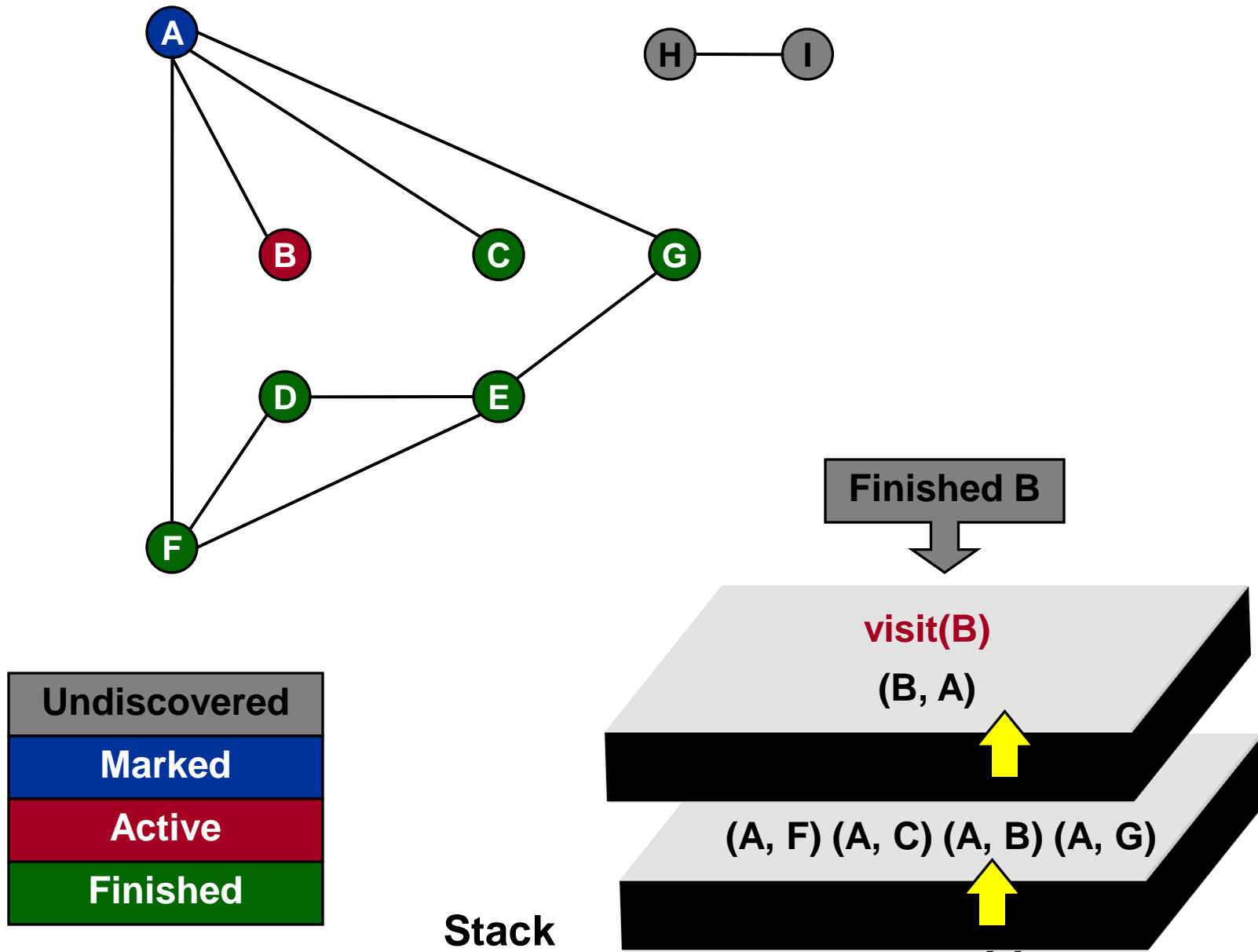
A already
marked

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| Marked |
| Active |
| Finished |

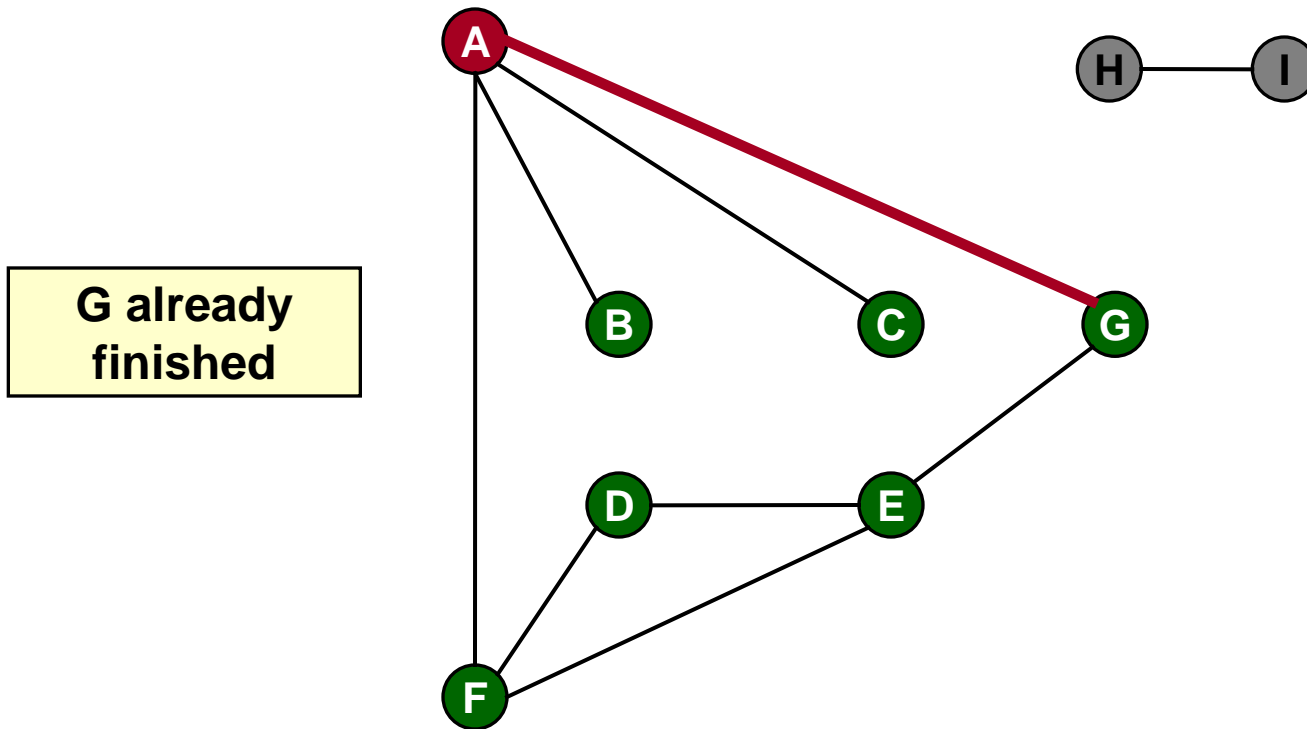
Stack



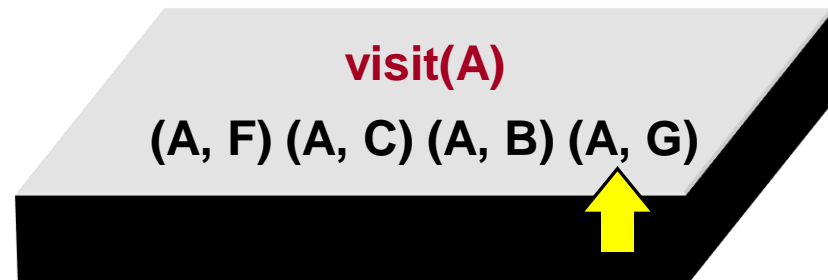
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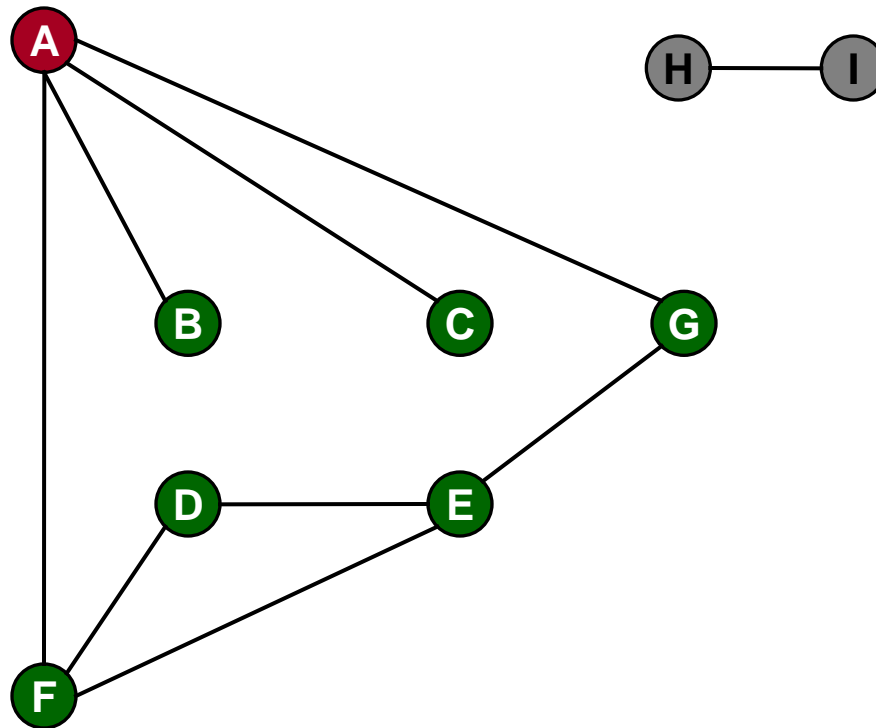
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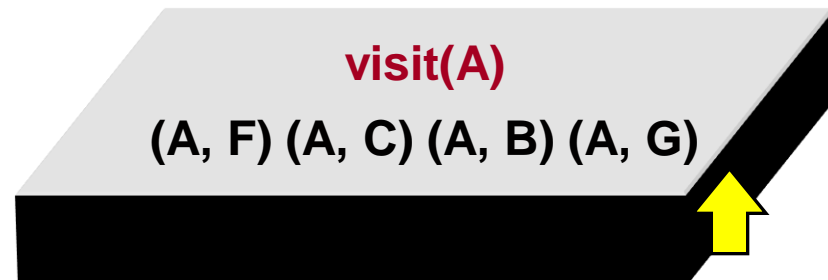


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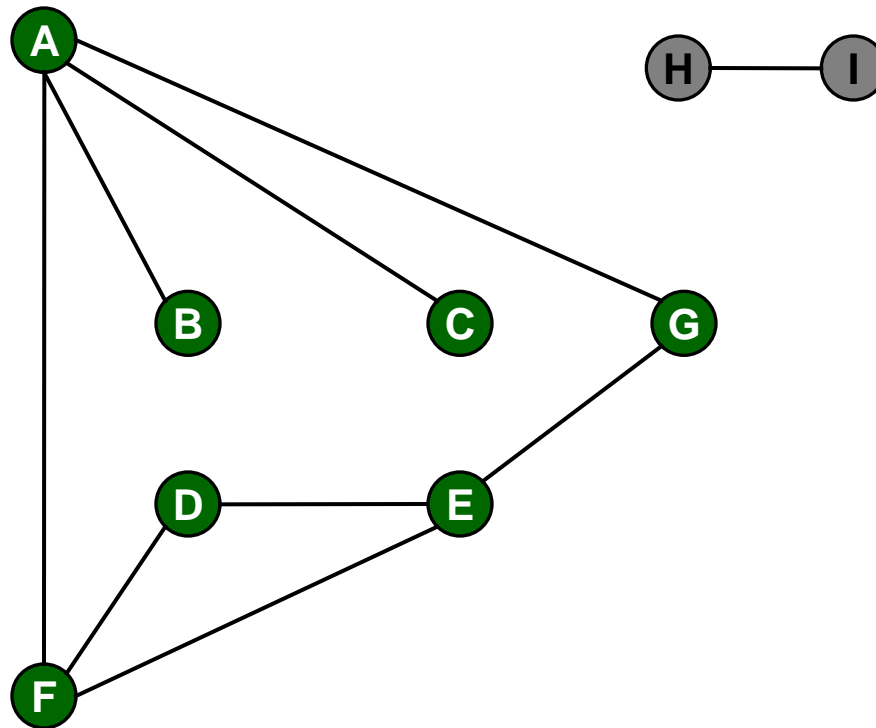


Stack

Finished A



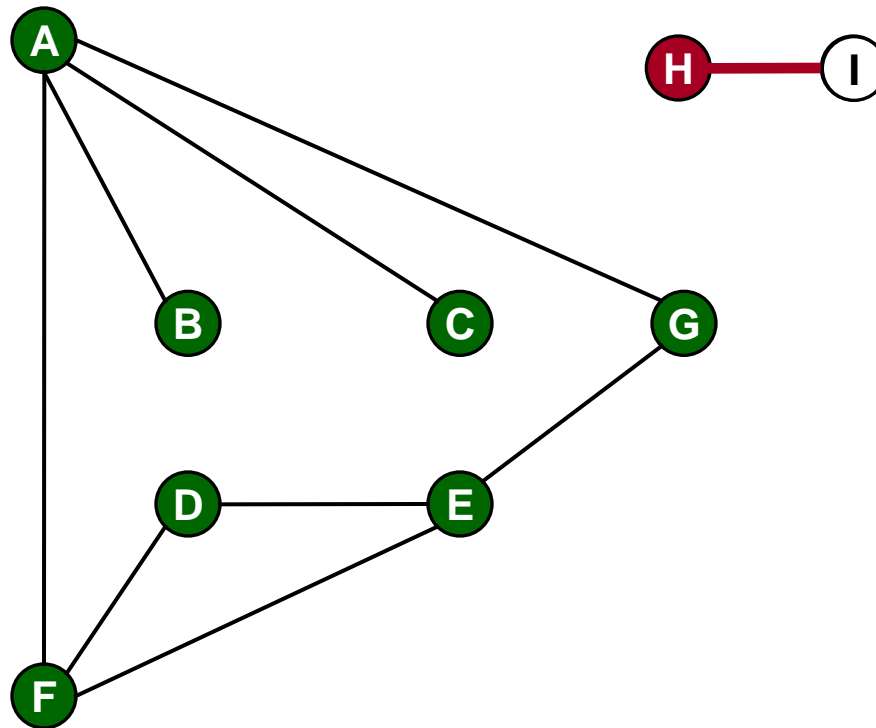
Undirected Depth First Search



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Stack

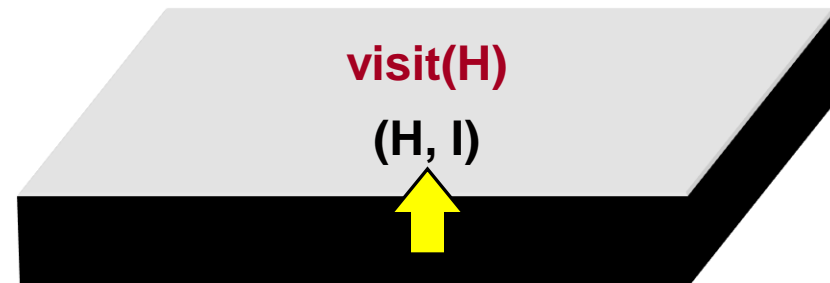
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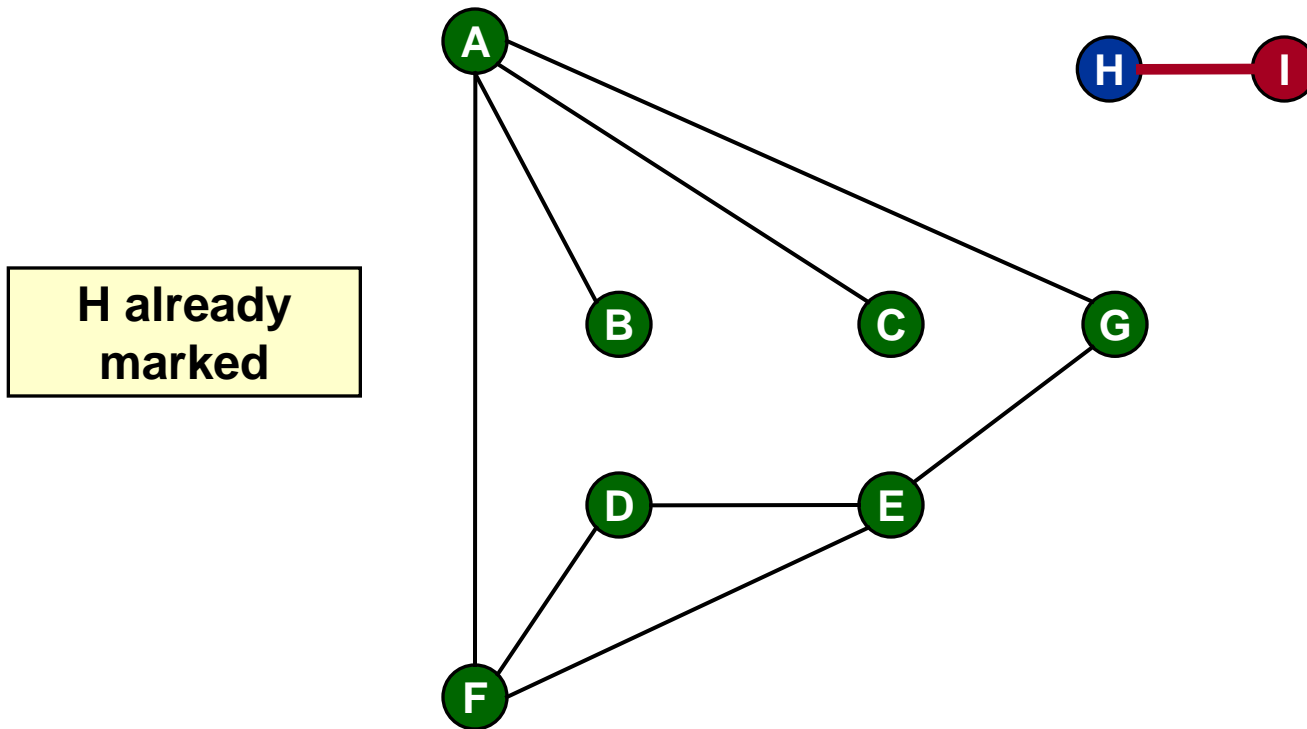
I newly
discovered



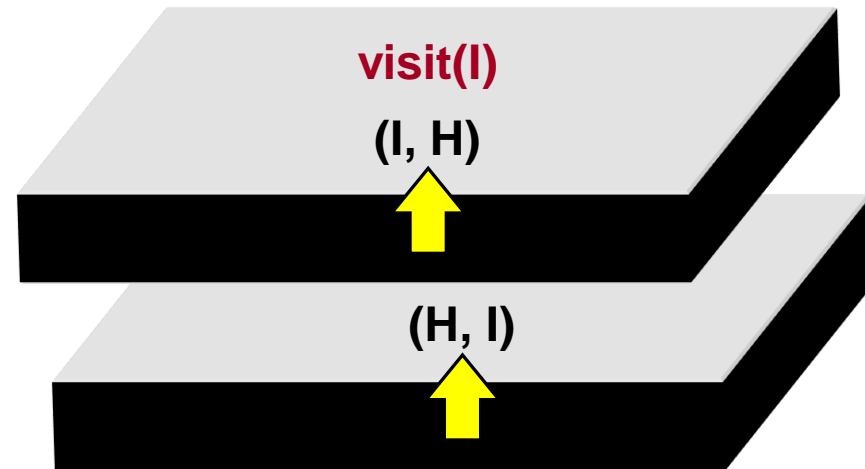
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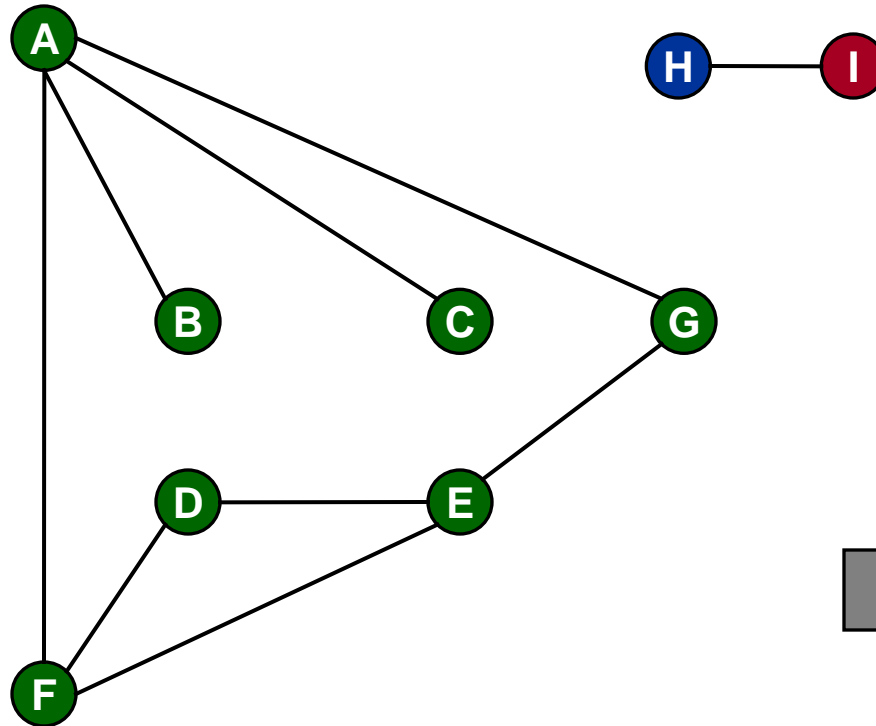
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Stack



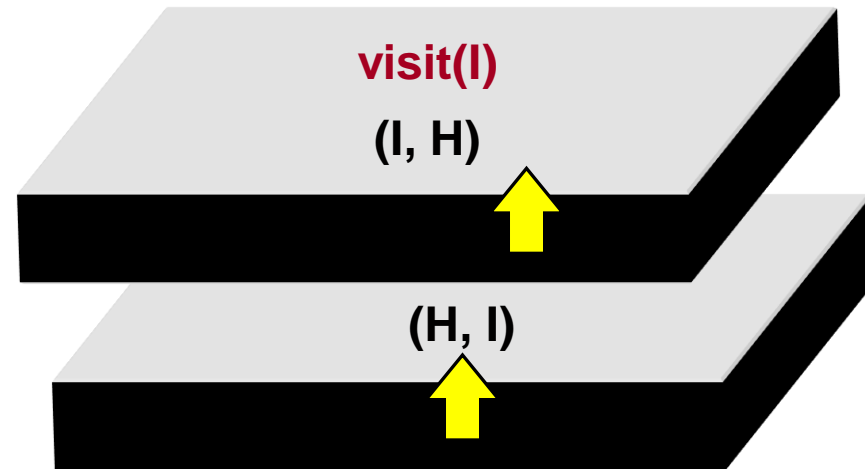
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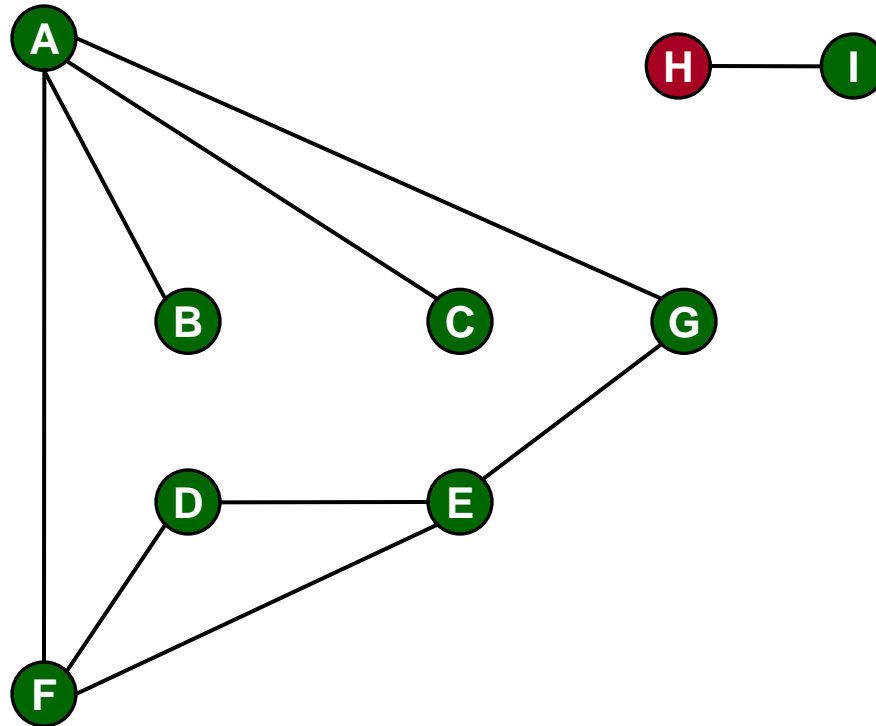
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Finished I

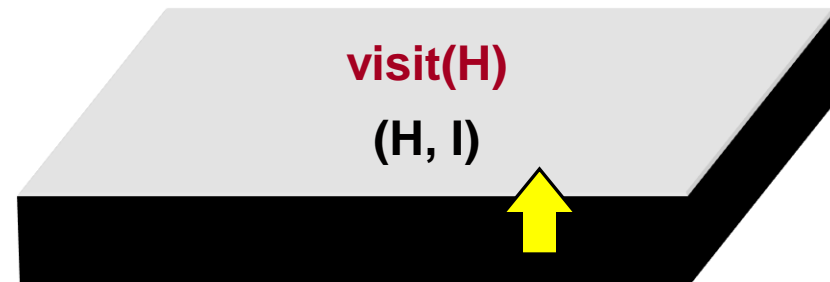
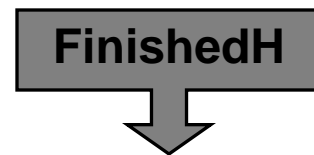
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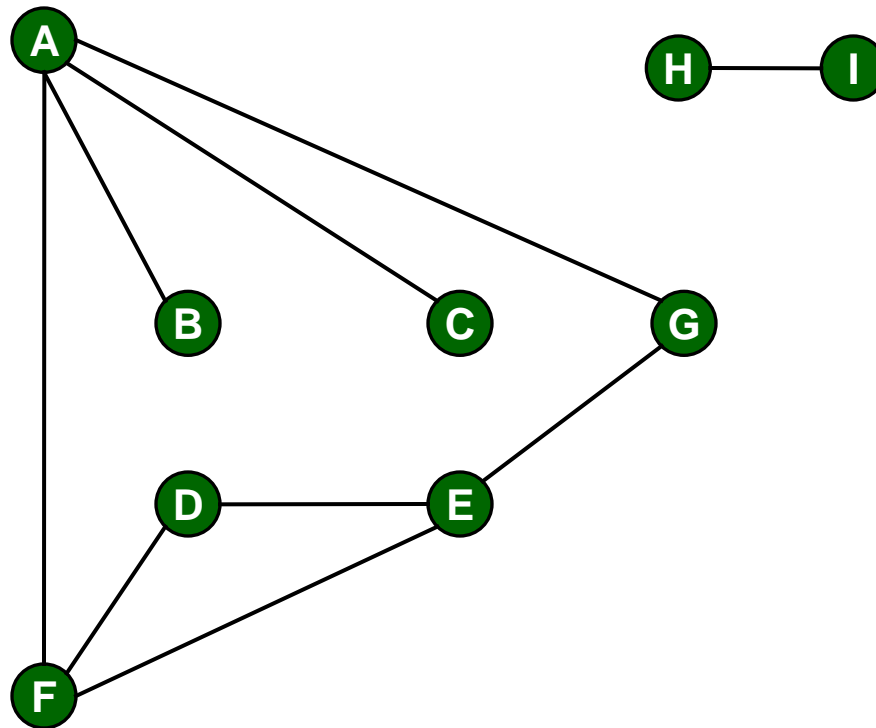
Undirected Depth First Search



Stack



Undirected Depth First Search



| Undiscovered |
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| Marked |
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Stack