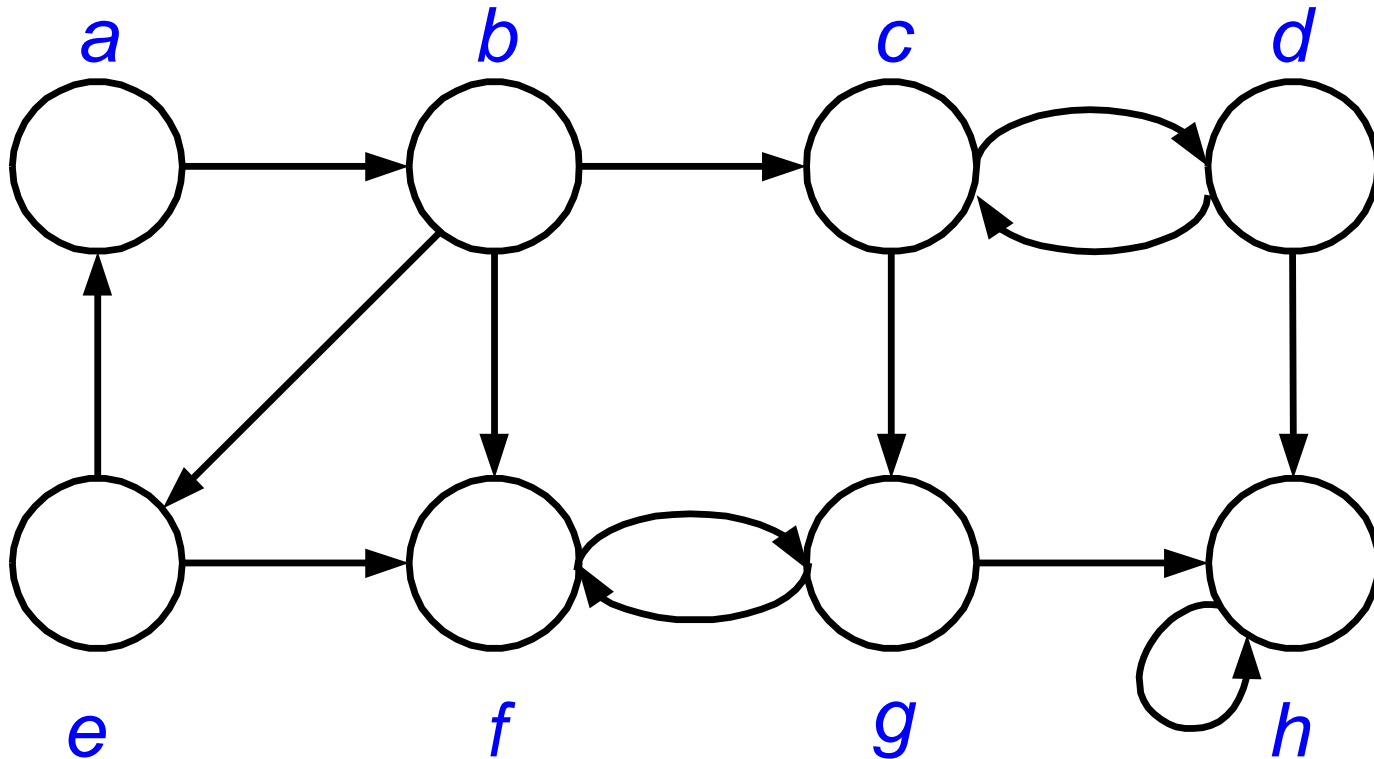


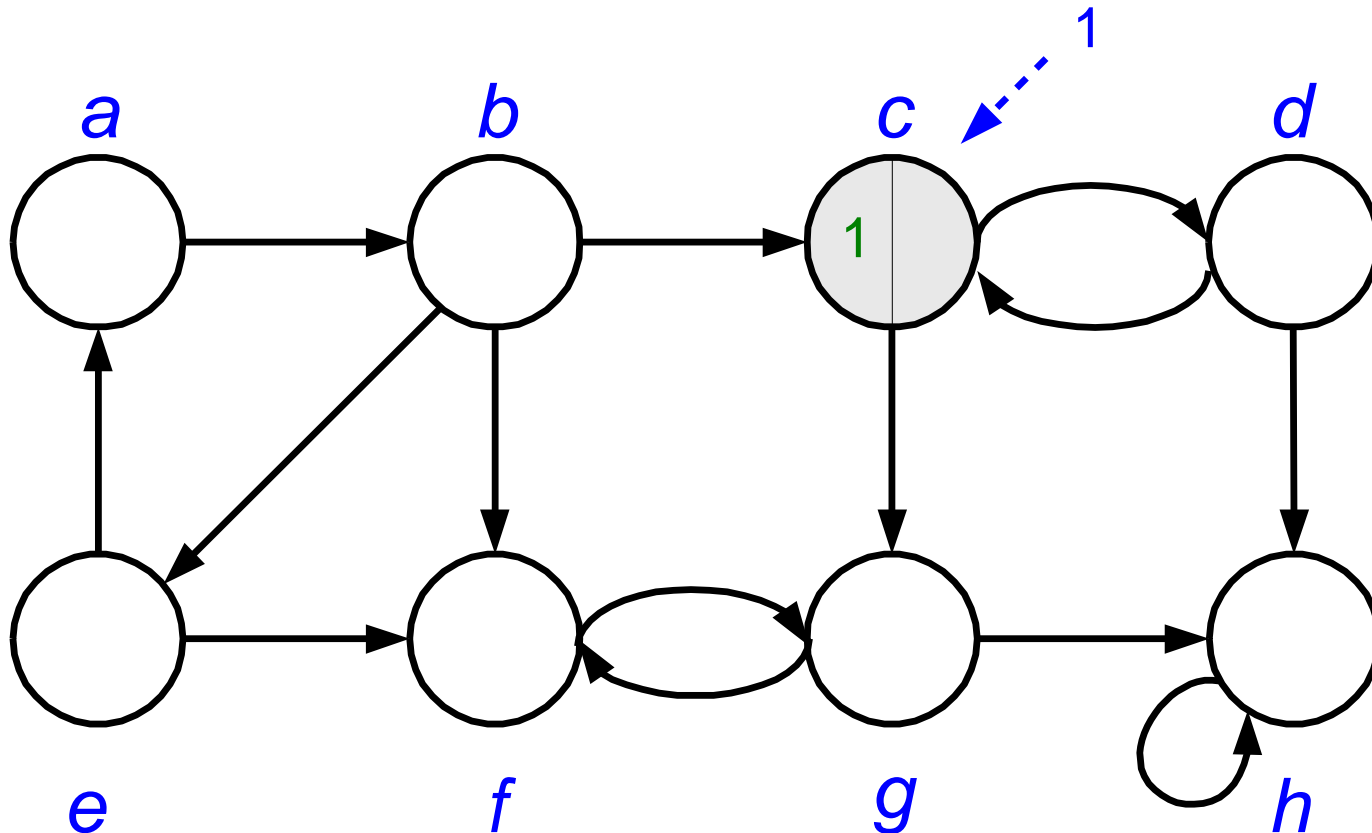
# SCC: Example

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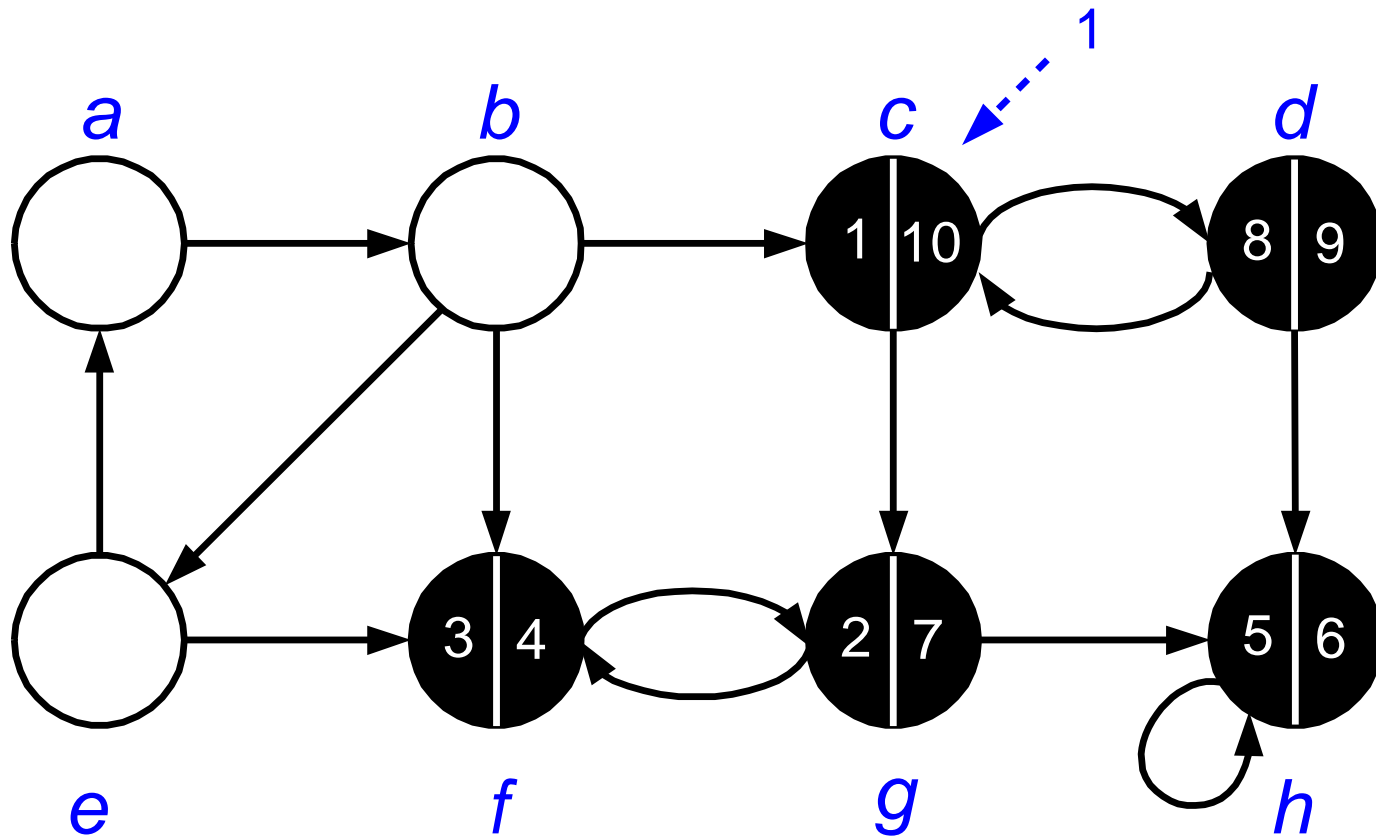
# SCC: Example

(1) Run **DFS**(**G**) to compute finishing times for all  $u \in V$



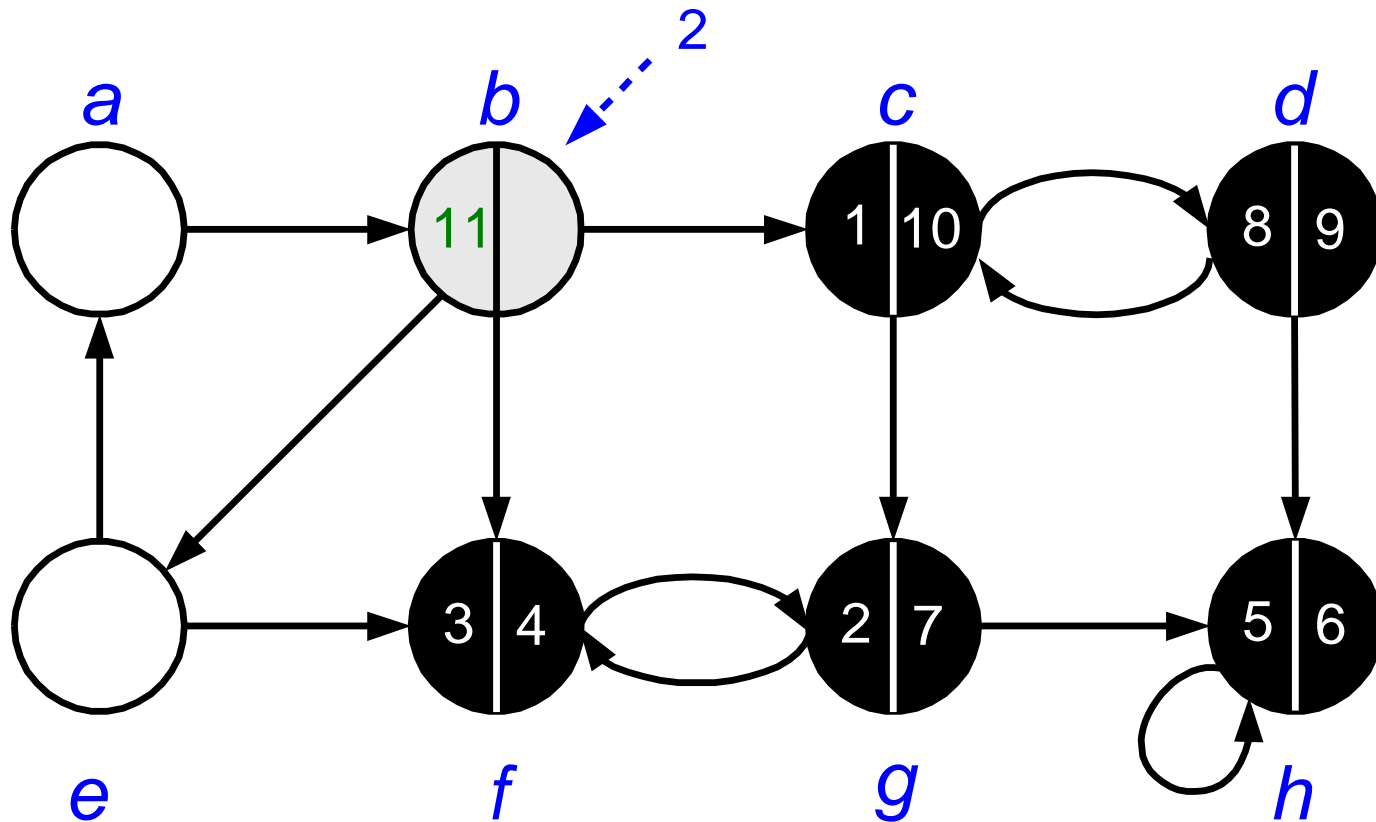
# SCC: Example

(1) Run **DFS**(**G**) to compute finishing times for all  $u \in V$

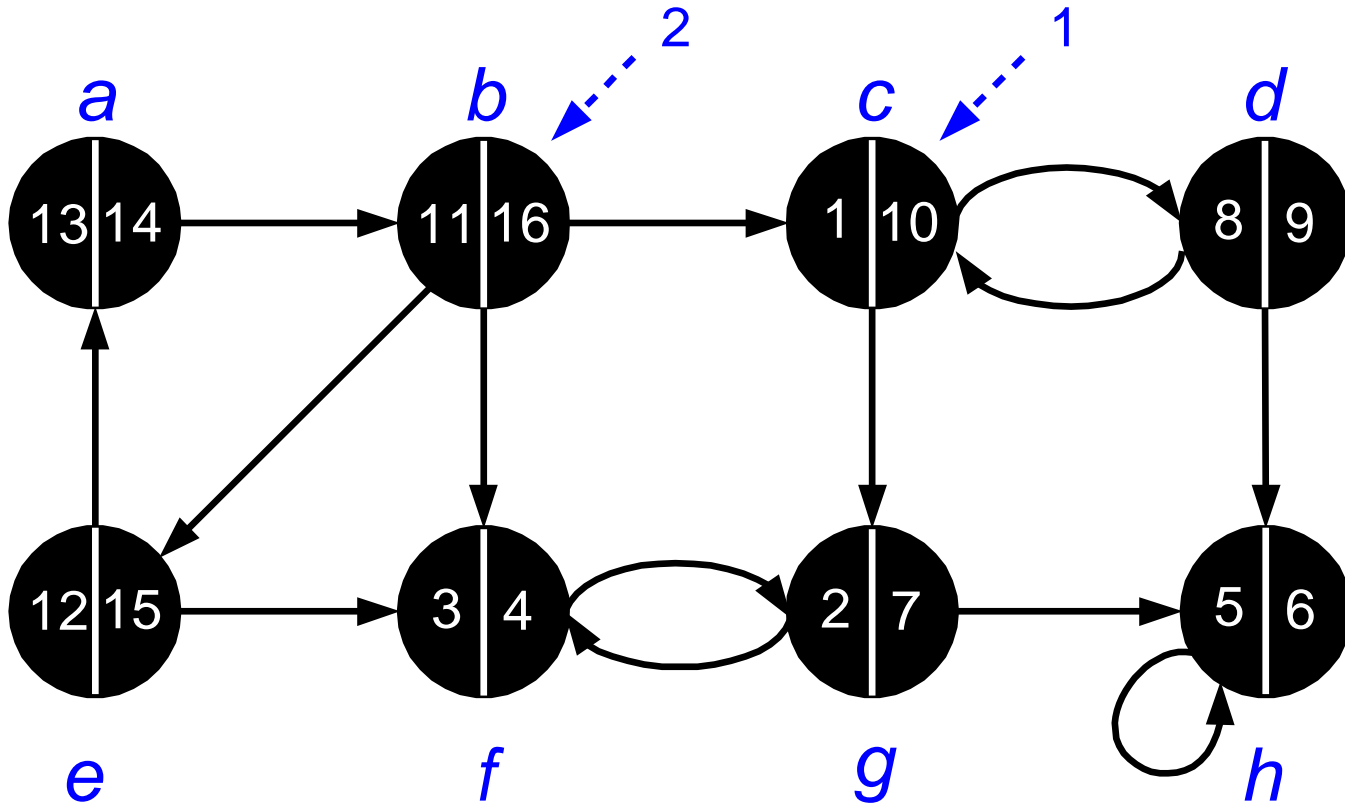


# SCC: Example

(1) Run **DFS**(**G**) to compute finishing times for all  $u \in V$



# SCC: Example

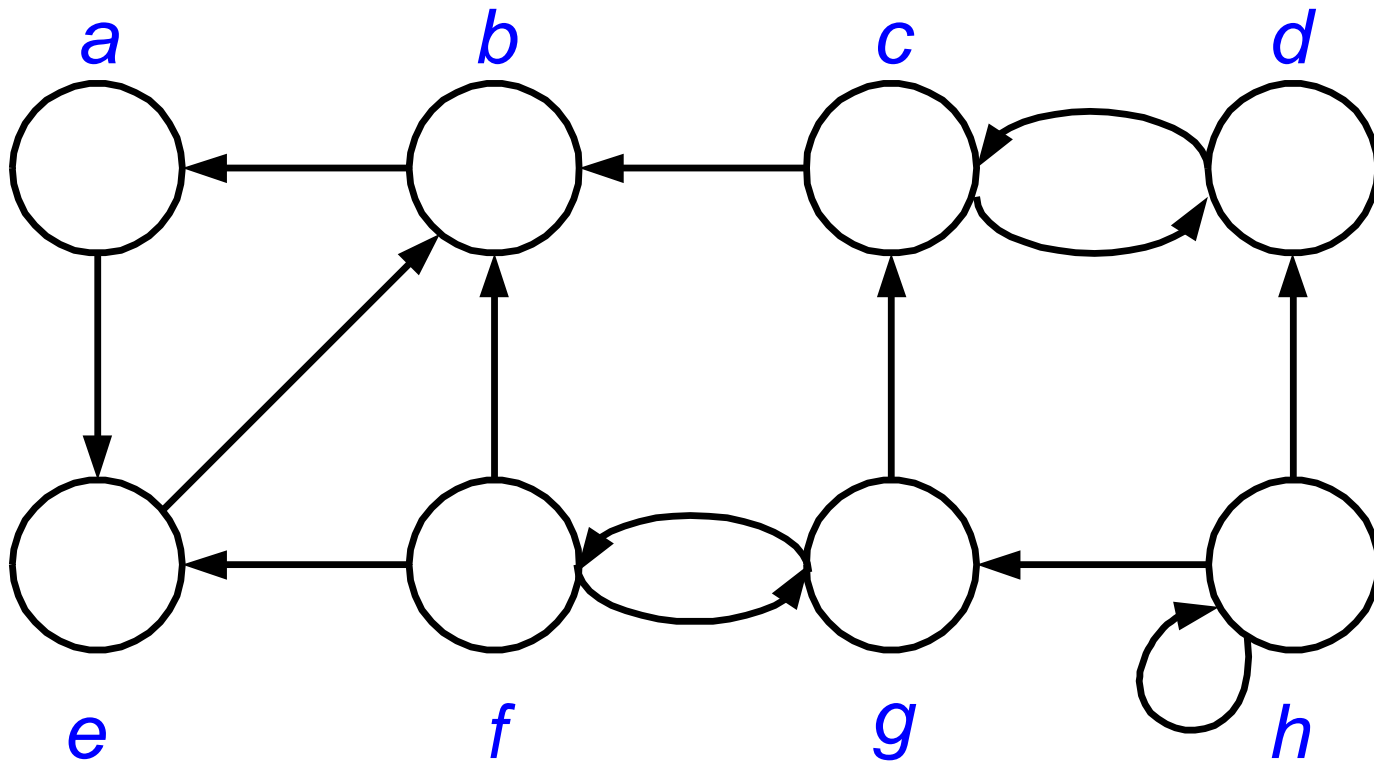


Vertices sorted according to the finishing times:

$\langle b, e, a, c, d, g, h, f \rangle$

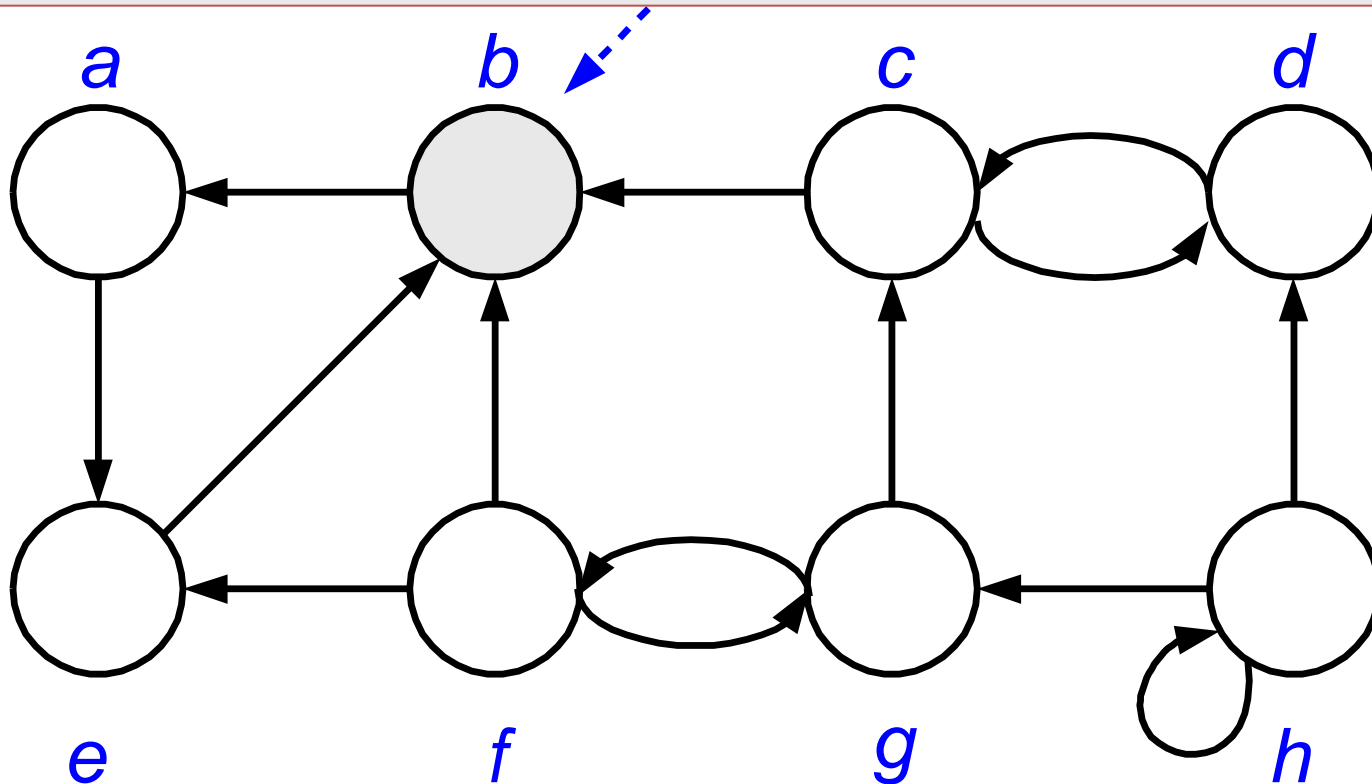
# SCC: Example

(2) Compute  $G^T$



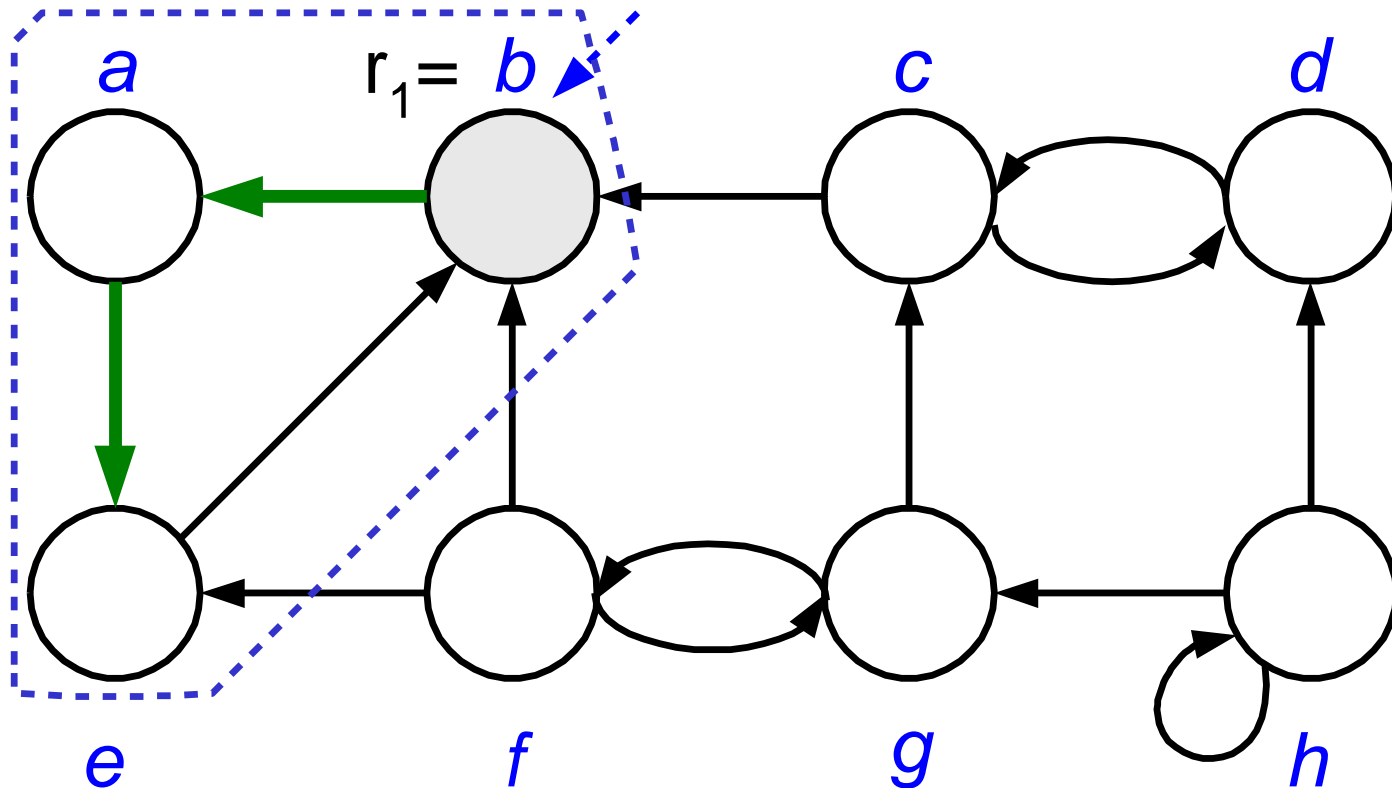
# SCC: Example

(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$



# SCC: Example

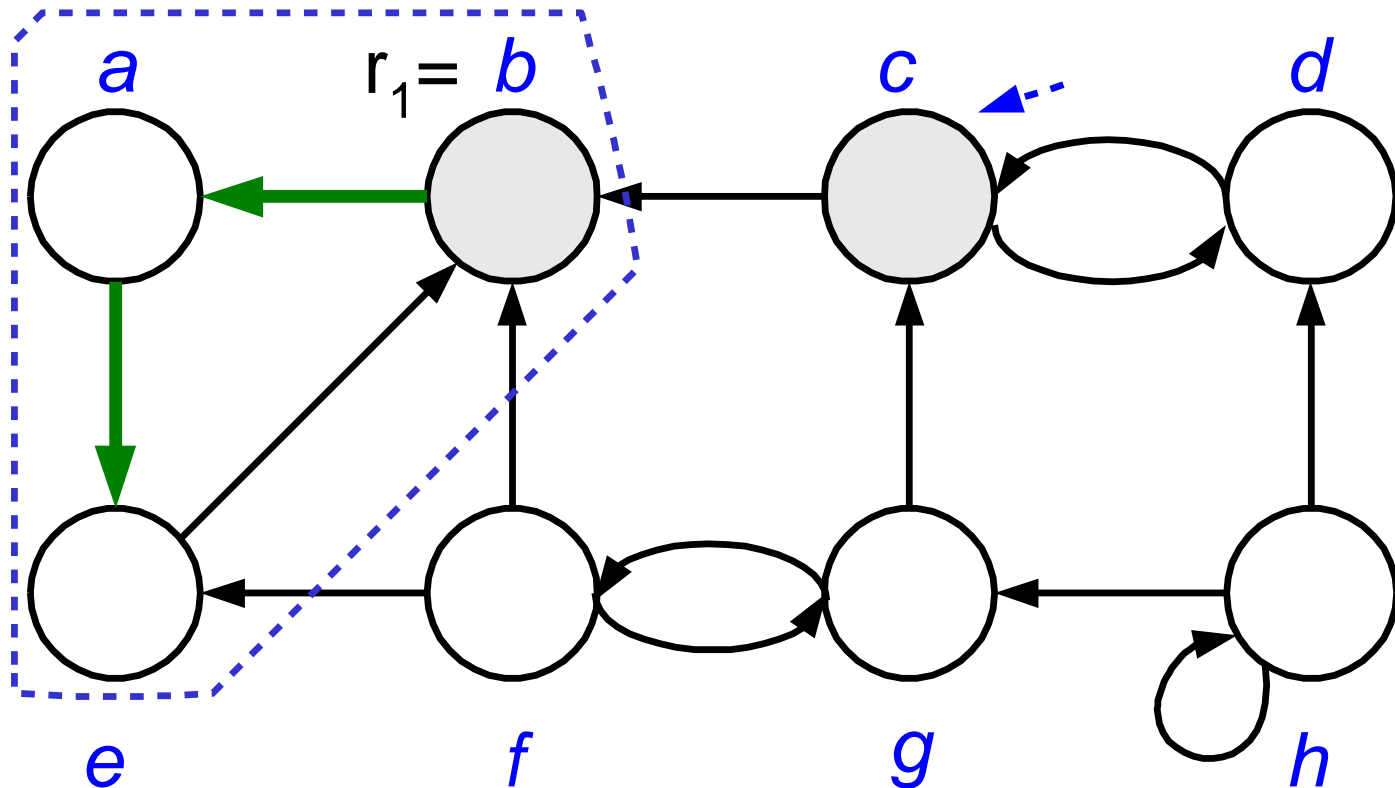
(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$





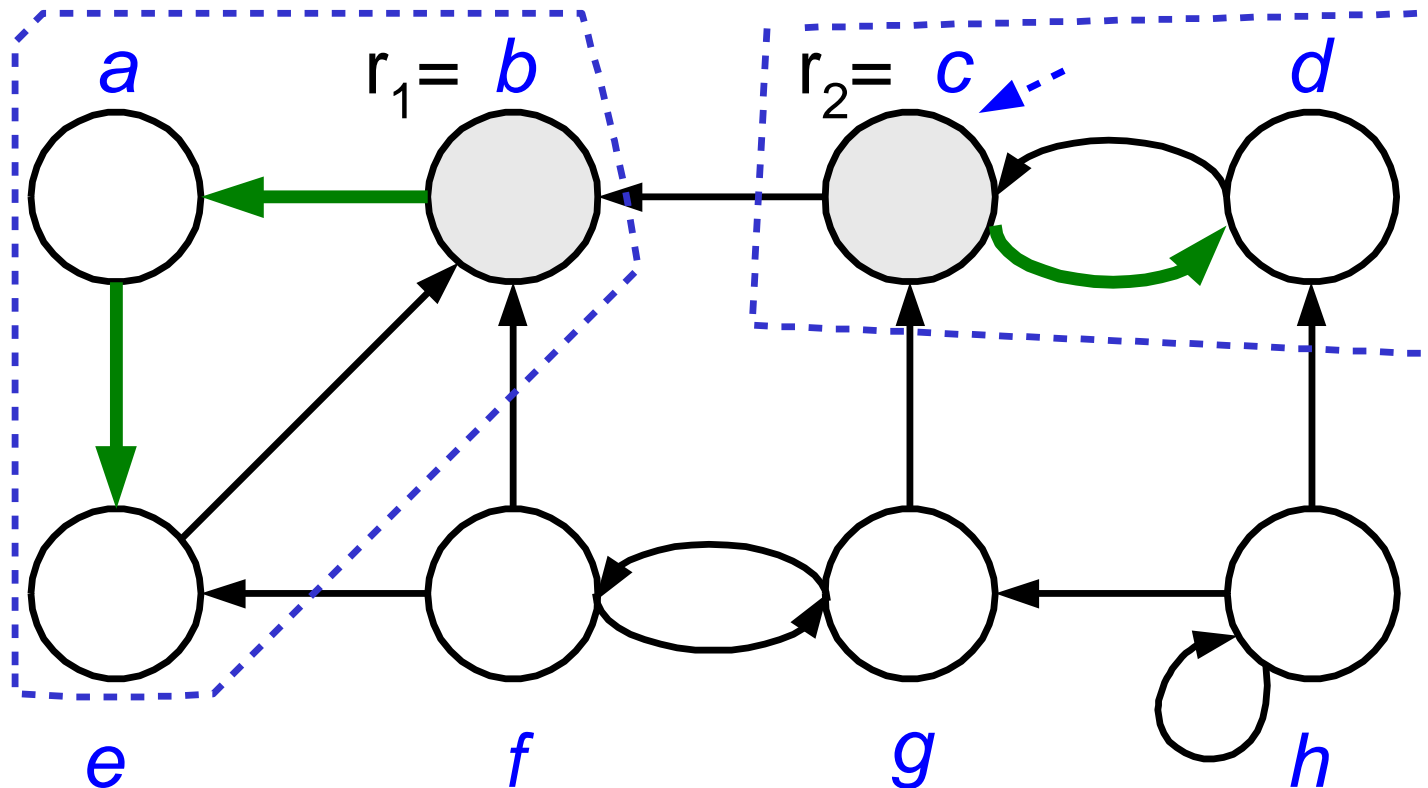
# SCC: Example

(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$



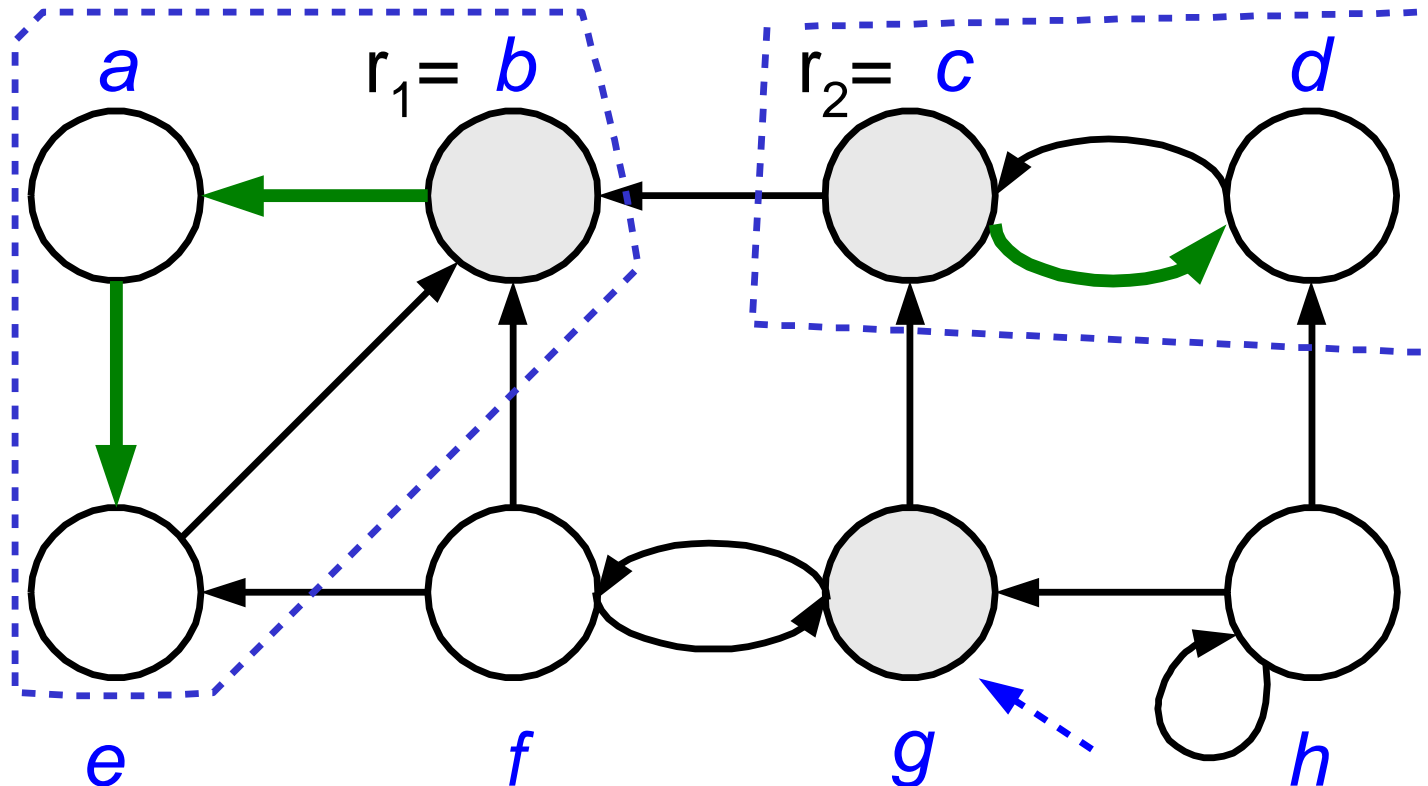
# SCC: Example

(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$



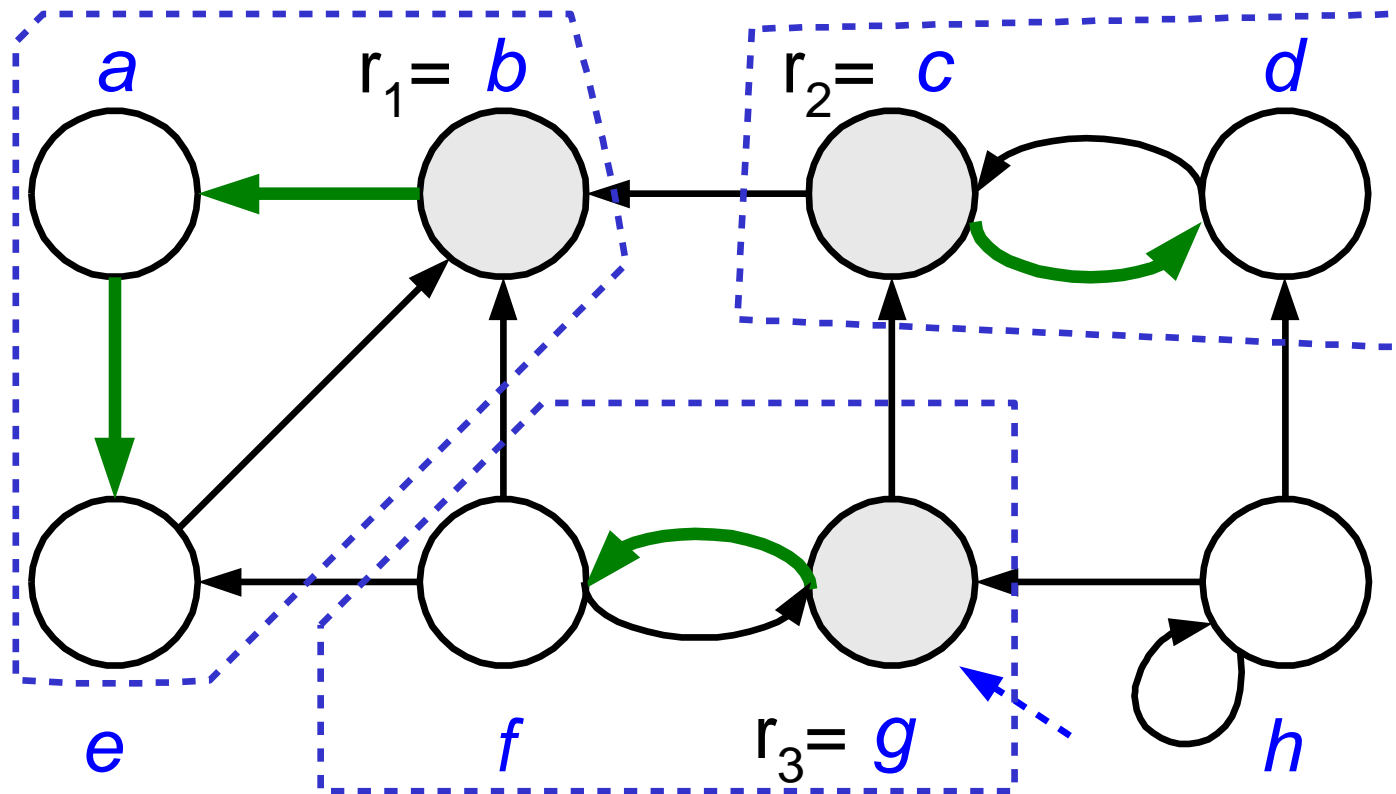
# SCC: Example

(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$



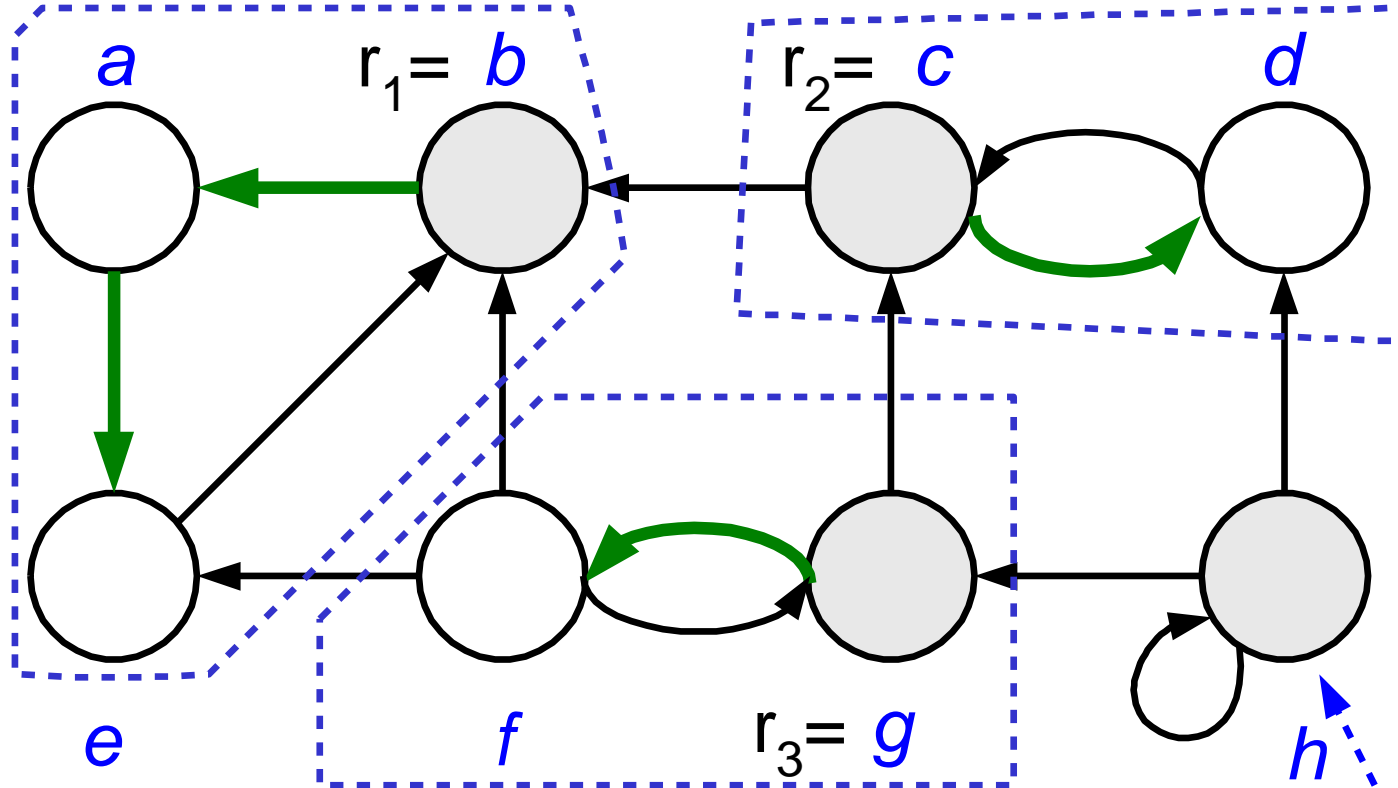
# SCC: Example

(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$



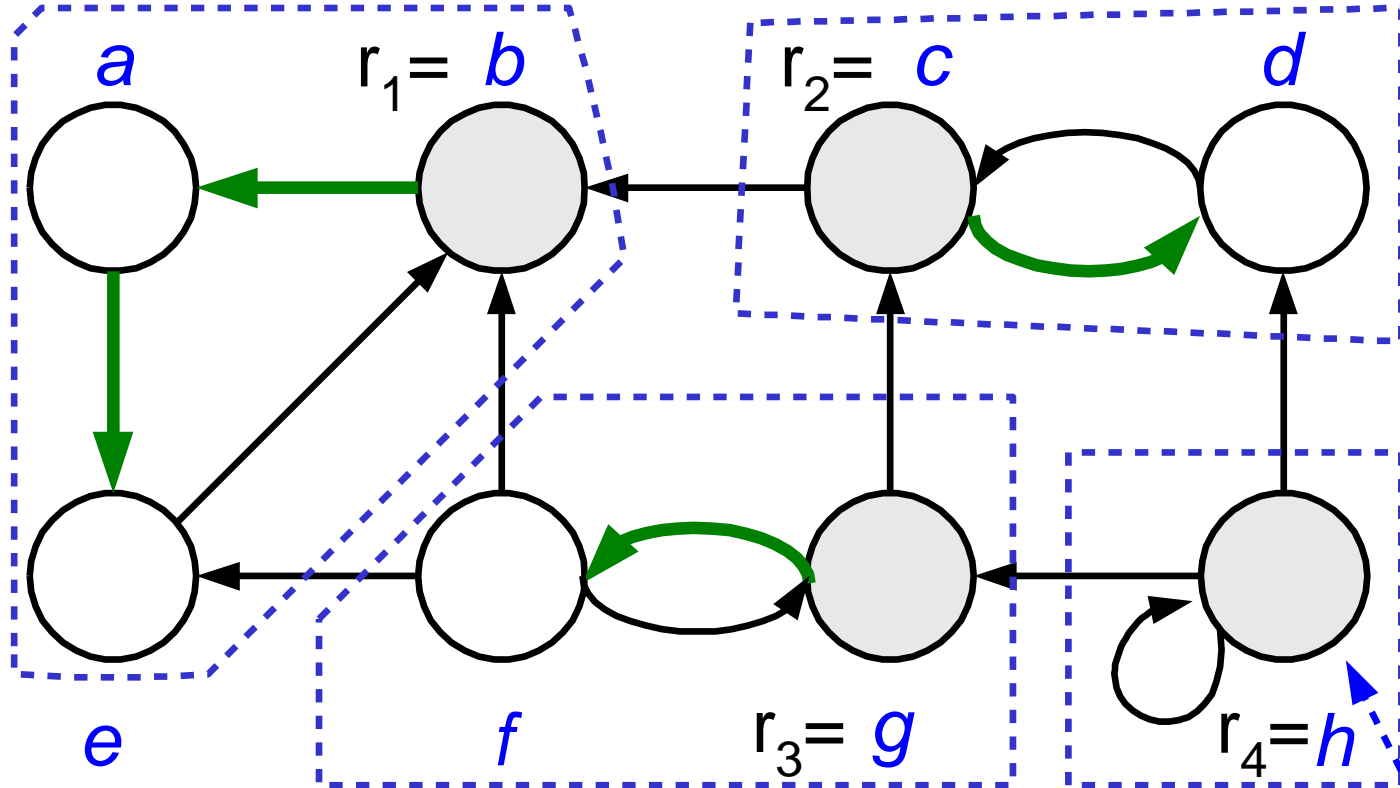
# SCC: Example

(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$



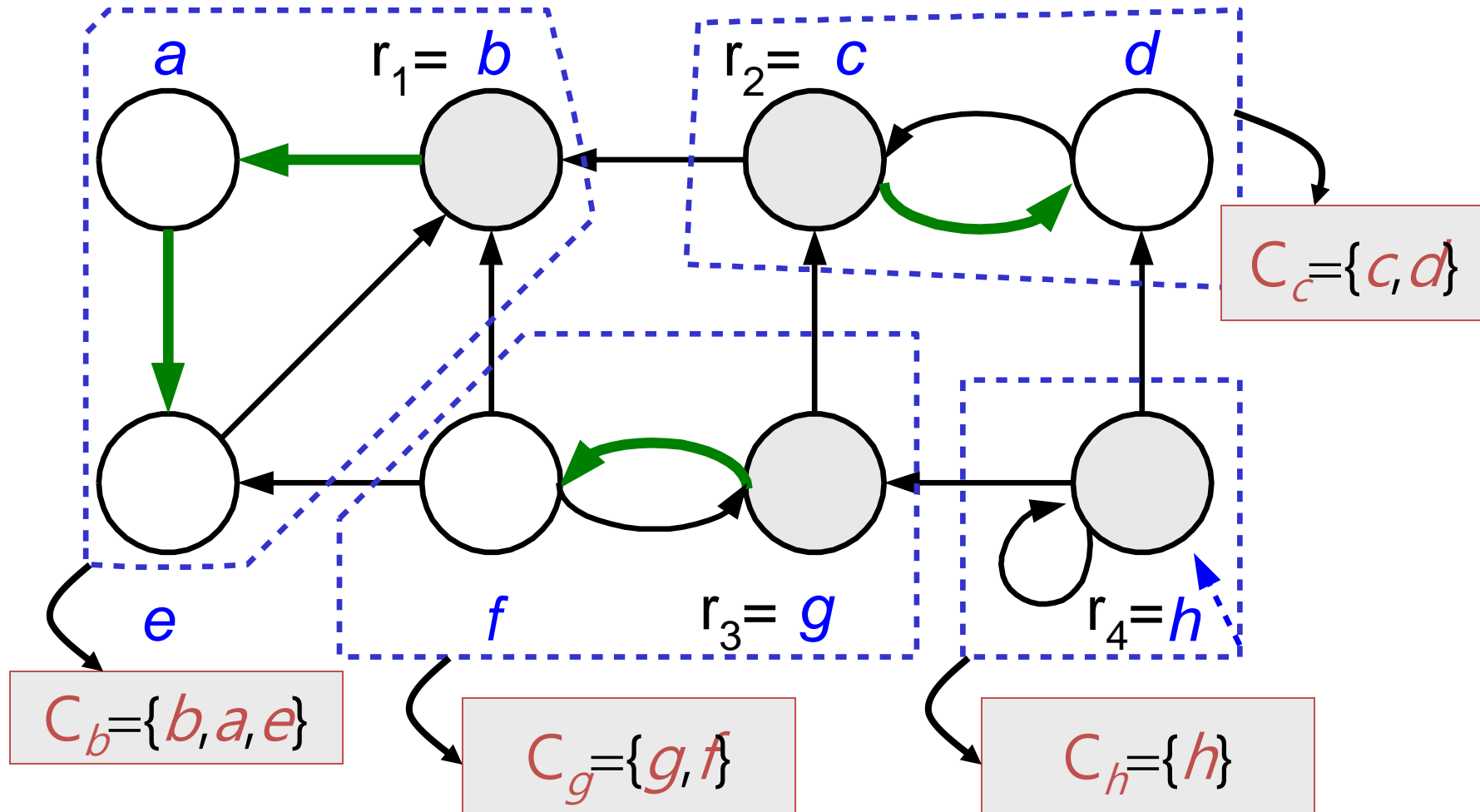
# SCC: Example

(3) Call **DFS**( $G^T$ ) processing vertices in main loop in decreasing  $f[u]$  order:  $\langle b, e, a, c, d, g, h, f \rangle$



# SCC: Example

(4) Output vertices of each **DFT** in **DFF** as a separate SCC



# SCC: Example

