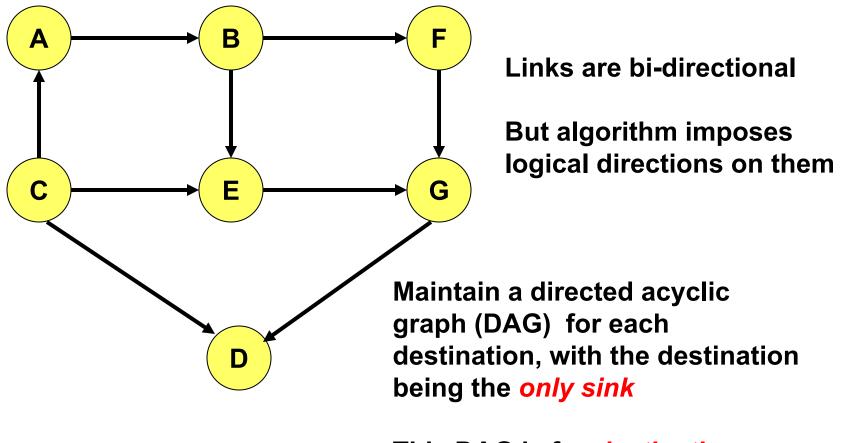
Link Reversal Routing

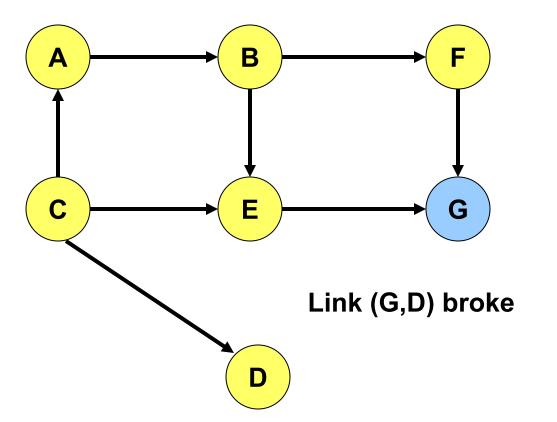
1

"Full" Link Reversal Algorithm

- The algorithm determines routes to one specific destination
- When there are multiple destination, one instance of the algorithm is used for each destination separately
- These slides focus on one instance of the algorithm
- In the example that follows, D is the chosen destination

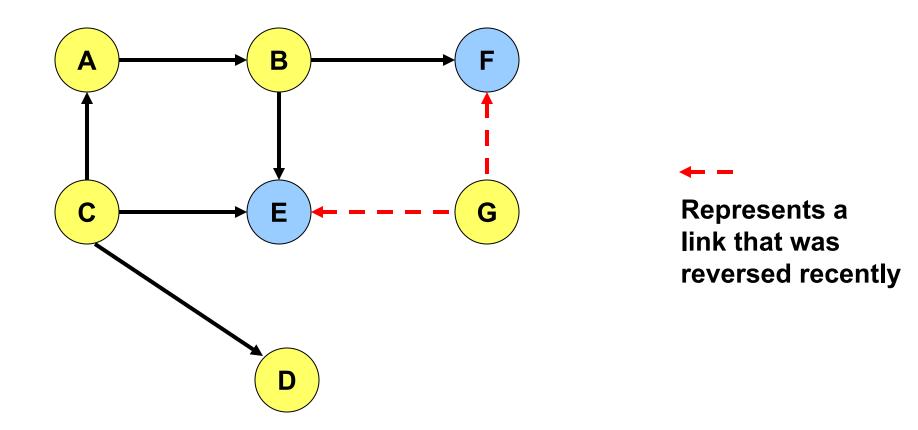


This DAG is for *destination node D*

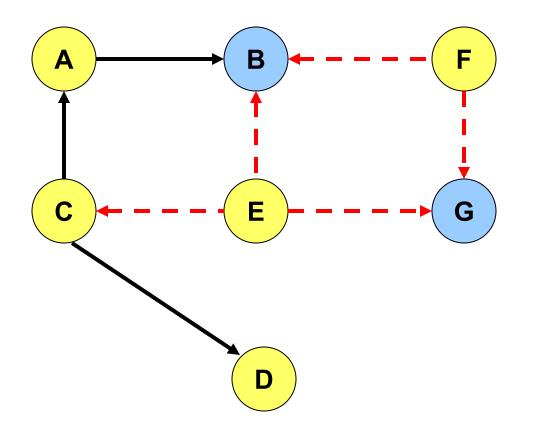


Any node, other than the destination, that has no outgoing links reverses all its incoming links.

Node G has no outgoing links

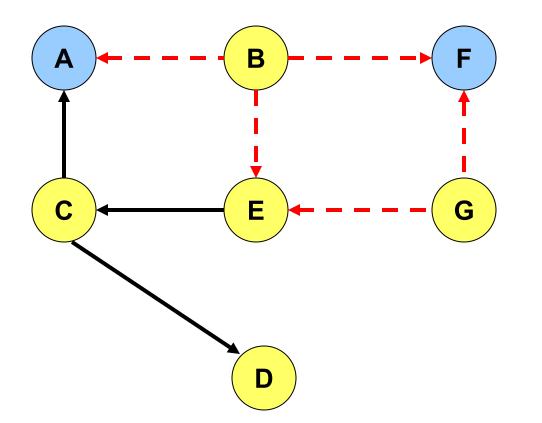


Now nodes E and F have no outgoing links



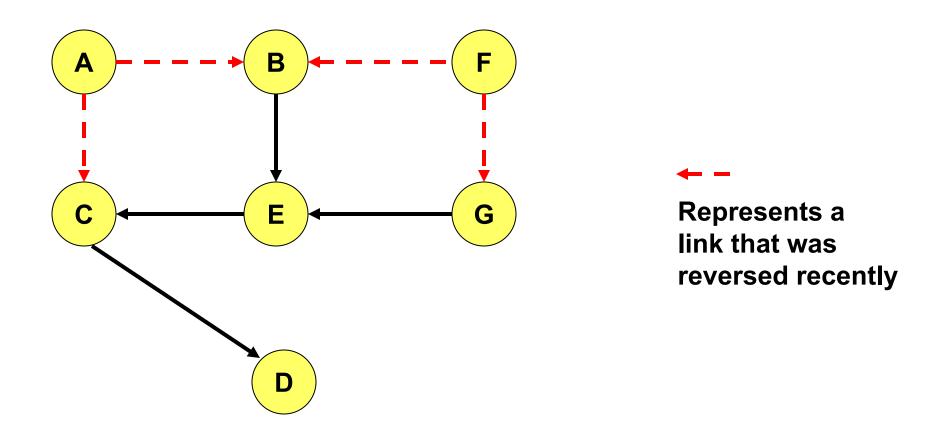
Represents a link that was reversed recently

Now nodes B and G have no outgoing links

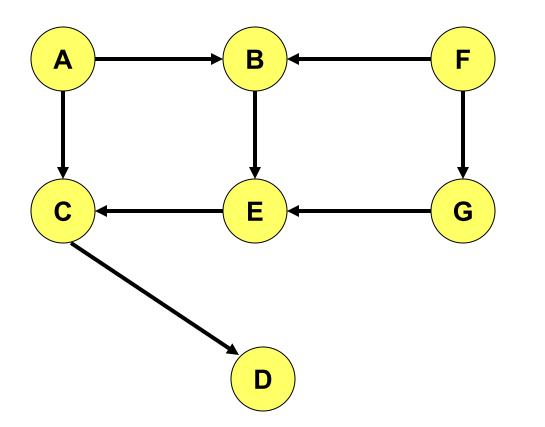


Represents a link that was reversed recently

Now nodes A and F have no outgoing links



Now all nodes (other than destination D) have an outgoing link



DAG has been restored with only the destination as a sink