

The diagram illustrates a sequence of nodes and their connections:

- Nodes:** A, N, M, X₁, Y, X, S.
- Connections:**
 - A → N (dashed arrow)
 - N → M (dashed arrow)
 - M → 3 (dashed arrow)
 - 3 → 4 (dashed arrow)
 - 4 → X₁ (dashed arrow)
 - X₁ → Y (solid arrow)
 - Y → X (red solid arrow)
 - X → S (red solid arrow)
- Red Highlighting:** Nodes X, Y, and S are highlighted in red. Red arrows also point from X₁ to Y and from Y to X.